Middlebury College 1969-70

Middlebury College Bulletin/the Catalogue Number

Directory of Correspondence

Middlebury College
Middlebury, Vermont 05753

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Bread Loaf School of English, Munroe Hall	
Bread Loaf Writers' Conference, Munroe Hall	
Foreign Language Schools, Sunderland Language Center	

The Director of Admissions will process requests for catalogues received from prospective students and secondary schools. Colleges, universities, libraries, and others, should send requests for undergraduate catalogues to the Secretary of the College. The Director of the Language Schools will furnish information and bulletins pertaining to Middlebury's summer program and the College's Graduate Schools Abroad.

MIDDLEBURY COLLEGE BULLETIN

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The College

THE HISTORY OF MIDDLEBURY COLLEGE

Middlebury College was an indigenous product of 19th century democracy, financed from the thin purses of local citizens, and expressive of multiform culture brought from southern New England.

A miller, two lawyers, a doctor, and a President of Yale University conceived the first plan for Middlebury College in the night of September 30, 1798. The miller was Gamaliel Painter, whose name the oldest college building in Vermont still bears; the lawyers, Seth Storrs, donor of the campus of the men's college, and Samuel Miller, who entertained the group at this original meeting; the doctor, Darius Matthews, a probate judge as well as physician; and the Yale President, the great Timothy Dwight.

Some thirty log cabins and frame houses, surrounded by wilderness, comprised the settlement at Middlebury in 1798. No road had yet been built to the pioneer village. The State of Vermont as a part of the Union was only seven years old and its Legislature still roved from town to town for its annual meeting. Grist and saw mills, a few shops for mechanics and blacksmiths, a rough inn and a brewery offered the principal commercial accent to the village. Not even a church had been constructed. Still the establishment of a college as well as a grammar school seemed imperative to these immigrants from Connecticut.

President Dwight, in his visit of a single night, helped to outline a plan for procedure, but it took two years to persuade the Legislature that the request for founding a college in this wilderness should be honored. A charter was finally granted on November 1, 1800, and Jeremiah Atwater, a Yale graduate, appointed President; seven students were admitted the following day and Middlebury was under way, lodged in a building just completed for the Addison County Grammar School. President Atwater and one tutor comprised the entire administrative and teaching staff. Under them the first student was graduated in August, 1802.

Greek and Latin were the core of the curriculum in those early years. Mathematics—ranging from "vulgar arithmetic" to trigonometry—history, geography, natural philosophy, astronomy, rhetoric, law, logic, metaphysics, and ethics rounded out a four-year program, with vocational purpose noted in such courses as navigation and surveying. A disciplinary system, based on the temper of the law of Moses and the text of Yale College rules and regulations, kept a student's nose to the academic grindstone. As occasion for new rules of conduct arose, they were properly phrased, and appropriate fines attached. Students were their own janitors, laid their own hearth fires, lugged their water from outdoor cisterns, often cooked their own meals. Daily chapel prayers before dawn began the day and a daily chapel service at dusk ended it.

It was distinctly a man's college. Women were not even admitted inside

the rail fence which surrounded the campus protectively. Yet the village of Middlebury did not neglect the education of women. Within three years after the men's college was started, a "Female Academy," one of the first in America, was established here; and it was in Middlebury that Emma Hart Willard opened her first school for girls in a building now owned by the College, and wrote what has been called the *Magna Carta* for higher education of women. Although the College did not become co-educational for over eighty years after it was founded, the tradition for women's education was strongly fixed at an early date. In spite of repeated earlier appeals, women were not admitted until 1883, after the alumni had petitioned for the change. Joseph Battell gave the College the land for the women's campus in 1909.

The Middlebury College Summer Language Schools of English, French, German, Italian, Russian, and Spanish, which began with a German session in 1915, have achieved international reputation. In 1966, Chinese was added. The foreign language schools were pioneers in the development of specialized summer schools for the study of modern languages under a faculty of native instructors. The Bread Loaf School of English and the Bread Loaf Writers' Conference have served as models for similar undertakings in various parts of the country. In 1949, the Graduate School of French in France was inaugurated, followed by the Graduate Schools of Spanish in Spain, German in Germany and Italian in Italy.

EDUCATIONAL PURPOSE

Middlebury College believes in the importance of the liberal arts and the liberal sciences. It believes that the central purpose of undergraduate education is the development of the human mind as broadly and as deeply as possible. The most compelling argument for the liberal arts is that besides providing the pleasure of doing something well, they enlarge the intellect and interests and bring an awareness of the concerns and problems of the rest of the community, laying upon men a mandate of reason toward restraint as well as toward freedom. The intrinsic values of liberal study are finally the most important and practical of all; when they appear, they illuminate the possibilities of what it can mean to be an intelligent and responsible human being. At Middlebury College the creative and performing arts are strongly supported. The cultivation of human sensibility through active involvement in the Arts is one of the fundamental goals of education in the Humanities.

Middlebury College aims to prepare its students through study of the humanities and languages, and through the disciplines of the social and natural sciences, to respond intelligently to an ever-changing social, political, and scientific world. In this liberal environment the student comes to an awareness of his cultural heritage, the relation of his special field to his heritage, an understanding of the physical world in which he lives, and an ability to think analytically and critically.

Middlebury College hopes to unlock the capacities and powers of its students in rational thinking, curiosity, imagination, and sensitivity, and to direct these human energies not only toward education as a continuing proc-

ess of self-education, but also toward social responsibility and leadership. This concept rests firmly on the base of an identifiable liberal tradition, a rational philosophy, and a belief that has been cherished and cultivated for 169 years at Middlebury.

LOCATION

Middlebury College is located on a broad hill overlooking a typical Vermont village and a wide sweep of Champlain Valley, with the Green Mountains visible to the east and the Adirondacks to the west. Most of the college buildings are constructed of grey limestone or white marble, their colonial architecture consistent with the mountain setting of the extensive campus.

The campus includes about 250 acres for buildings, athletic grounds, and Otter Creek shoreline, and a mountain campus ten miles to the east. The United States Government maintains an adjacent area, formerly owned by the College, as part of the Green Mountain National Forest. Both tracts are used by students for outings and winter sports.

Middlebury lies halfway between Burlington and Rutland, Vermont. Students not arriving by automobile should come via the New York Central to Albany, N.Y., and make bus connections on the Vermont Transit Lines to Middlebury. There is bus service from Montreal, Boston, and New York City on the Greyhound and Vermont Transit Lines. There is also scheduled airline service to Burlington from Boston via Northeast Airlines and from New York and Albany via Mohawk Airlines. Information about the local Middlebury Airport is available in the *Airmen's Guide*. There is no railroad passenger service direct to Middlebury. Baggage can be sent by railway express.

Admissions

THERE IS NO FIXED PROGRAM of secondary school studies required for admission to Middlebury College. The discipline and the knowledge gained from the study of English, foreign languages, mathematics, science, and history are essential to success in college work. Distinctive achievement in secondary school studies, the promise of superior college performance, and a commitment to intellectual pursuits are necessary. Candidates are urged, moreover, to read widely beyond the requirements of classroom preparation and to attain a high level of accuracy and effectiveness in written expression.

The secondary school program is the responsibility of each candidate in consultation with his school counselors. The program and record of each applicant will be assessed individually. A recommended secondary school program would include four years of English; four years of one foreign language (in preference to two years each of two languages); three or four years of mathematics; two or more laboratory sciences; two or more years of history; and some study of music, art, or drama. However, many candidates whose programs of study differ from that outlined above are admitted each year: the quality of an applicant's secondary school achievement, especially in the two final years, is the factor of primary importance.

Advanced Placement. Students taking college level courses in secondary school may be considered for advanced standing in one or more courses at Middlebury. The candidate must take the appropriate Advanced Placement Test administered by the College Board to be eligible for Advanced Standing with credit. Candidates awarded credit for three Advanced Placement courses may apply for sophomore standing.

College Board Examinations. All candidates for admission are required to take the Scholastic Aptitude Test of the College Entrance Examination Board and three Achievement Tests, including the one in English Composition. A student unable to obtain the application forms from a secondary school should write directly to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey 08540, requesting the Bulletin of Information and directions for filing the application. Candidates must take the College Board Tests no later than December or January of the senior year.

Health Certificate. A satisfactory certificate of health must be presented before matriculation. Successful candidates are required to fill out medical blanks which are supplied by the College.

PROCEDURE FOR ADMISSION

Inquires regarding admission should be addressed to the Director of Admissions. Application forms will be furnished on request. Application

papers must be accompanied by an application fee of $15. This fee is not refundable and will not be applied to term bills. The right is reserved to close the application list to candidates on January 15. All applicants will be notified of the action on their applications by April 20.

A personal interview is a desirable part of the admissions procedure at Middlebury. A visit to the College for this purpose may be made between mid-May of the junior year in secondary school and the middle of the senior year. No interviews are scheduled during February, March, April or early May.

Early Decision Plan. Candidates who definitely plan to attend Middlebury may request an Early Decision. However, only candidates with outstanding qualifications should apply, and they must agree to withdraw their other college applications if their application for admission to Middlebury is approved. Requests for Early Decision must be received by November 1st of the year prior to the year in which admission is desired. Early Decisions will be announced by December 1st. A non-refundable deposit of $200 applicable to term bills must be forwarded by successful candidates before February 15. Unsuccessful candidates for Early Decision will be reconsidered with the regular applicant group.

TRANSFERS

A limited number of students can be accepted into the sophomore and junior classes by transfer from other colleges and universities. All such students must come from approved institutions of collegiate rank. Candidates for admission with advanced standing should write to the Director of Admissions for detailed information and application forms.

Expenses and Financial Assistance

EXPENSES

No precise statement can be made regarding the cost of a year at Middlebury. The location of the College in a frugal Vermont countryside and the absence of metropolitan attractions permit a student to live economically. The College offers a limited amount of financial aid to deserving students. The Director of Financial Aid endeavors to assist undergraduates in finding remunerative work both on the campus and in town.

A fairly accurate estimate of a year's expenses may be made by selecting the applicable items from the following list of standard charges:

Tuition	$2,200.00
General Fee (Includes $24 Student Activities fee)	150.00
Room	500.00
Board	650.00
Special course fees (per term; see course descriptions)	$1.00 to 20.00
Sickness Insurance	22.00

Travel, textbooks, clothing, social dues and assessments must also be considered in estimating a year's expenses.

Tuition, board, room and the general fee for the year are billed in two installments, the first due September 1, and the second January 31. The applicable portion of matriculation and re-enrollment deposits, financial aid grants, and of any payments received in advance from such sources as Insured Tuition Payment Plan will appear as credits in term bills. Student loans will be credited only when executed and returned to the Comptroller. Failure to make payment when due automatically cancels the privilege of attending classes and incurs liability for a late payment fine of $5. An itemized statement showing special course fees and any additional charges will be mailed on or before November 1 for the first term and March 1 for the second term. These bills must be settled in full by November 15 and March 15, respectively.

A charge of $275.00 is assessed for each regular course or its equivalent (e.g. independent study) in excess of four during the Fall or Spring terms. No charge will be made, however, for the basic R.O.T.C. course. For students enrolled in Music MU 209, 210 and/or MU 309, 310 doing work in practical or applied music, the established fee for private instruction is assessed.

For graduate students, tuition is charged at the rates given above for a full program of four regular courses or the equivalent thereof; otherwise at the single course rate.

The General Fee, which is combined in billing with Student Activities Fee, includes the Student Center Fee of $42.00, the Medical Fee of $45.00,

and a portion for the fixed expenses of the Student Societies. (Any costs connected with social programs which the several Student Societies undertake on their own initiative will be assessed by the membership of each society in whatever manner it may determine.) The Medical Fee provides for various health services (see page 38) including enrollment in a one-year accident insurance plan. The General Fee also includes for each matriculating student a $1 charge for an identification card intended to serve for his entire undergraduate course. When, on authorization of the Dean of the College, a lost identification card is replaced, a charge of $5 is made.

A graduation fee of $25 is paid by all seniors.

A rebate of $8 per week may be allowed for absence from dining halls for two consecutive weeks or longer.

No refund of tuition, fees, or room rent is made in the case of dismissal. Refunds may be made for entry into the Armed Forces through Selective Service, but in other cases of absence or withdrawal, refunds may be considered only under exceptional circumstances.

A fee of $100 is charged students who repeat the General Examination and who are not regularly enrolled in college.

Entering students pay $100 when notifying the Admissions Department of their intent to matriculate. This deposit will be applied to the charges of the first term and is not refundable. Returning students pay a re-enrollment deposit of $100 in the Spring to be applied to the charges of the succeeding term and to be forfeited if the student fails by August 1 of any year to notify the Dean of his intention not to return for the succeeding term.

Students may not take examinations, receive grades, nor expect honorable dismissal until all financial accounts are settled.

The right is reserved to change quoted charges if necessary. The College assumes no responsibility for loss of student property through fire, theft, or disappearance.

The Registrar issues a transcript of record on request to students wishing to transfer or to secure a statement of their course credits for any other purpose. One copy of the college record is furnished free. A fee of one dollar is charged for a duplicate of the transcript. To students who are financially indebted to the College, or to those who have not surrendered Identification Cards on leaving college, no transcript will be issued until satisfactory arrangements have been made at the Treasurer's office. No fee is charged for transcripts submitted to any branch of the armed service.

FINANCIAL AID

The goal of the Financial Aid Program at Middlebury College is to help those students with a demonstrated need who would otherwise not be able to attend college.

Subject to continuing eligibility, Financial Aid, normally including a provision for a student loan plus a grant and/or job, is awarded for one academic year at a time.

Students should not apply for any specific grant (scholarship) as

appropriate assignment will be made by the College. The Financial Aid Committee reviews the records of all students receiving financial aid who have been placed on academic probation in order to determine whether their grant should be continued. A grant can also be withdrawn for misconduct.

Middlebury College is a member of the College Scholarship Service, an activity of the College Entrance Examination Board at Princeton, New Jersey. Financial Aid awards are based on analysis by the College Scholarship Service (CSS) of the Parents' Confidential Statement (PCS) and on the College's review of the CSS determination of need. Middlebury College requires no financial aid form other than the PCS. Parents of applicants for admission who require financial aid should submit the Confidential Statement directly to the College Scholarship Service before January 15th of the entering year. The form may be obtained from the secondary school counselor. Early Decision candidates must file the PCS before October 1 of their senior year in secondary school. Renewal forms of the PCS must be filed annually by February 15 with the College Scholarship Service.

Middlebury participates in the National Defense Student Loan, College Work-Study and Educational Opportunity Grants Programs. Awarding of loans, jobs and grants under these Federally-sponsored programs is handled by the College Financial Aid Office. The College also certifies applications for the various State Guaranteed Insured Loan Programs, and in special cases will also certify applications for loans from the United Student Aid Funds Program.

As far as possible, the financial aid to upperclassmen will include the offer of campus employment. Students can expect to be assigned jobs as waiters or waitresses, research or library assistants, clerk-typists, residence hall and student union desk clerks, etc. A few well-qualified students can find summer employment, both on and off-campus, under the Federal College Work-Study Program which also assists in financing many of the student jobs listed above. Laundry, newspaper, magazine, travel, etc., concessions are also student-operated. The better-paying campus jobs are incorporated into the Financial Aid Program, but there are a number of lower-paying jobs that an interested student can apply for on his own initiative.

It is assumed that all Financial Aid recipients will make a contribution from summer earnings towards their College budget. The expectancy from net summer earnings preceding Freshman Year is $200 for women and $300 for men. Each subsequent summer, a $100 increment will be expected.

Correspondence concerning financial aid to applicants for admission should be addressed to the Director of Admissions. Similar inquiries by upper-class students should be made at the Office of Financial Aid.

Curriculum

MIDDLEBURY COLLEGE confers one undergraduate degree, Bachelor of Arts. It also confers the graduate degrees, Master of Arts, Master of Letters, Master of Science, and Doctor of Modern Languages.

UNDERGRADUATE WORK

The purpose of the liberal arts curriculum is to give every student a detailed knowledge of the work covered in at least one subject, and to correlate it with a broad understanding of the liberal arts and the liberal sciences. To achieve the scholarship which this objective implies, students work intensively in one or more departments and complete requirements and electives in fields outside of their specialization.

The extent of a student's academic work at Middlebury College is reckoned in courses sucessfully completed.

The normal program of study is four courses in the Fall and Spring Term. In the Winter Term, students select one course for concentrated study. Physical Education and the basic R.O.T.C. courses in freshman and sophomore years are carried as electives without credit as a course unit. No extra charge is made for the R.O.T.C. or Physical Education programs. Only students who have demonstrated superior ability in their academic work are permitted to take more than four courses in a term. Independent study in the Senior year may count as many as three course units as the department determines. The course units may be distributed between Fall, Winter and Spring terms.

FRESHMAN PROGRAM

Prior to matriculation each freshman is furnished with complete course descriptions and registration cards on which he designates his selection of courses for the first term. During Freshman Week he meets with his registration counselor who gives further assistance in planning a course of study.

Every freshman is required to enroll in English Literature (ED 101) either in the Fall or Spring term. Physical Education must also be taken by all Freshmen. To complete his academic program, each freshman elects three other courses from those open to freshmen. These courses may either offer a varied intellectual experience or prepare him, at least in part, for advanced work in a special field of knowledge.

The courses open to freshmen, most of which also serve partially to fulfill degree requirements (see below) are offered in all departments. In general, only those courses numbered from 100 through 190 are open to freshmen. Freshmen enrolled in a course within a department, however, may be assigned to a more advanced course by that department upon demonstration

of special proficiency. Freshmen who have taken a modern language in high school and have acquired satisfactory preparation may continue the subject in intermediate courses. Freshmen, qualified by previous work and interest in a field, may elect courses above the freshman level on recommendation of the department concerned, the respective Dean and the Director of Admissions. It is advisable that students complete their science requirement during the first or second year.

During the freshman year students should consult frequently with their faculty advisers. Freshmen are encouraged to talk with their advisers about any aspect of their academic experience. The adviser will assist in the choice of a field of major concentration which must be made toward the end of the spring term.

WINTER TERM

During the month of January, the student is given the opportunity through the Winter Program to acquaint himself, through intensive study, with an aspect of a discipline which is not normally the topic of the Fall and Spring terms. Winter programs are offered on a departmental and inter-departmental basis and are structured on three levels: courses without pre-requisites (open to non-majors), courses with pre-requisites and courses which are part of the departmental major. All courses contain independent study as a component. Each Fall the Curriculum Committee of the faculty publishes a Winter Term catalogue. A student may not take his freshman and sophomore courses within the same department. A department may not require more than two Winter courses as part of its major program. All Winter courses are graded on an Honors, Pass, Fail basis.

All students involved in foreign language courses numbered 101 (151) and 102(152) may be required to participate in a continuing program during the Winter term. Programs intended to fulfill the Physical Education requirement also continue through the Winter term.

MAJOR CONCENTRATION

In registering for his major program the student normally consults the chairman of his chosen department. The chairman appoints a departmental adviser who recommends a pattern of courses for the student's subsequent years.

Departmental major requirements differ, but they all include courses so chosen from the student's department and other departments that they form an integrated and coherent whole and a logical pattern leading to a deepening intellectual experience. In addition to the specific courses required for a particular major, cognate courses may be recommended to further the student's particular academic interests or intentions. Departments offer different programs of Senior Work adjusted both to the nature of the field and the needs of the student. Basically, a department may offer as many as three units of Senior Work outside the regular course pattern. This Senior work

may consist of Independent Study (700 Course) and/or General Examination (705 Course unit). Students should consult the descriptions of the Senior Work for each department for details. The Senior Work courses may be distributed over the Fall, Winter and Spring Terms.

Should a student not be satisfied with his first choice of major he may, before the beginning of his third year, change to another major. Prior to the change, however, he should obtain assurance from the department to which the change is contemplated that he will be able to meet its major requirements. After the beginning of the third year a student may change his major only for exceptional reasons and with the consent of the Dean of Men or the Dean of Women. (See the Departmental Program below.)

Where a joint major involving two or more departments is desirable a single General Examination will be taken. Details should be worked out with the department chairmen involved.

DEPARTMENTAL HONORS PROGRAM

Students may be nominated on the basis of their record as Honors Candidates in their major department at the end of their Junior year or in their Senior year up to the beginning of the Spring Term. Honors work normally involves a special project. (If course units are allocated for Honor's Research the student registers for an appropriate number of 500 courses.) Such projects culminate in the presentation of the work in the special project before a board of examiners drawn from the department in which the work is undertaken and one member from outside the department. This examination is held prior to the General Examination period in May.

To receive Honors, the candidate must have an average of 80 or better in all work taken in his major department, at least an 80 in the General Examination, and he must have a grade of 85 to 88 inclusive in the Honors project.

To receive High Honors, the candidate must have an average of 85 or better in his major department, at least an 85 in the General Examination, and he must have a grade of 89 to 92 inclusive in the Honors project.

To receive Highest Honors, the candidate must have an average of 85 or better in his major department, at least 88 in the General Examination, and he must have a grade of 93 or better in the Honors Project.

These Honors are printed on the Commencement program and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the Registrar and the chairman of the department, stating the nature and quality of the work done.

THE DEPARTMENTAL PROGRAM

Some departments offer a program of study that measures a student's achievement at two levels:

The Qualifying Level. A student must be able to use the methods and language of the discipline, and he must demonstrate a command and a com-

prehension of a part of the subject matter of the discipline. A student whose development and achievement follow average patterns should be able to qualify in several subjects by the end of his second year.

The Comprehensive Level. A student must demonstrate his general comprehension of the discipline after he has done advanced work under the direction of the department. The average student will be able to complete a department's major program two years after he has qualified for advanced work in that department.

A department adopting this Program will so announce to its majors.

PROGRAM OF DEPARTMENT SCHOLARS

In order to encourage superior students and to free them for more rapid progress and more individual work in a course, the following program of Department Scholars is established:

If a student thinks he can effectively do the work of a course independently of the class meetings, the student may apply to the instructor of the course, at any time before the end of the third week of classes, to be designated a *Department Scholar in the Course* with the following privileges:

I. (a) Be excused from all requirements of attendance in class, except that attendance may be continued if the student desires.
(b) Be excused from all quizzes and examinations except the final examination.
(c) Be excused, as the instructor shall determine, from any written work, laboratory work, or deadline for written reports, except that all work from which he is not excused shall be submitted at least one week prior to the end of classes.

II. The following conditions must have been satisfied:
(a) The student must have completed at least one term's work in the department.
(b) A freshman shall have an average of at least 90 in all work already taken in the department; a sophomore, an average of at least 89; a junior an average of at least 88; and a senior an average of at least 87.

The application of the student shall include a list of the courses taken in the department, with the instructors and the grades obtained, and a short statement as to the student's reasons for wishing to be a Department Scholar. If the instructor and the department chairman, after consultation with the other instructors in the department whom the student has had, believe that the student can profitably accomplish the work of the course under these privileges, they shall designate the student a *Department Scholar in the Course.* The course grade shall then be determined on the basis of the required written work submitted during the term (not in excess of that required of the regular

members of the course) and of performance on the final examination. The student shall be informed of the relative weights of these two factors when the designation of Department Scholar is obtained. Moreover, the designation shall be included with the Registrar's record of the grade in the course, and the respective Dean shall be informed when a student becomes a Department Scholar.

DEGREE REQUIREMENTS

In addition to the freshman and major requirements, certain distribution requirements must be met before the Middlebury College degree is awarded.

1. To be eligible for a degree a student must successfully complete 32 Fall and Spring term courses or their equivalent and 4 Winter courses. No more than 14 Fall and Spring courses may be in the same department. Not more than 6 courses with a D grade may be applied to the degree requirement.

2. Freshmen may not elect more than one course in a subject in a term.

3. The last academic year of undergraduate work must be spent in residence in Middlebury, except as provided in the Technical, Medical, and Dental School Plans.

4. Before graduation every student must meet, in addition to freshman requirements, the following Group Requirements:

GROUP A—Two term courses of a literary and humanistic rather than a technical character. The courses that meet this requirement are marked with § in the listings of the departments of American Literature; English and Drama; Fine Arts; Music; Philosophy; Religion; Classics; French; German; Russian; Spanish and Italian.

GROUP B—Two term courses chosen from the social and behavioral sciences. Any course given by the departments of Economics, History, Political Science, Psychology, or Sociology may be used to fulfill this requirement, as may Geography 101 and 102.

GROUP C—Two term laboratory courses chosen from among the natural sciences and in one of the following departments: Biology, Chemistry, Geology, or Physics.

GROUP D—A fourth term course (202), or its equivalent, or a more advanced course, chosen from among the ancient or modern foreign languages. The equivalent is defined as an examination on the Qualifying Level (see p. 15) to be given by each department during the first week of the Fall term.

5. All students are required to complete two years of Physical Education. This requirement should be completed by the end of sophomore year. Beginning with the class of 1973, students who fail to complete the Physical Education requirement in their first two years will be charged a stated fee for elementary Physical Education courses. Exemptions only on recommendation of the Deans or College Physician.

TRANSITIONAL REGULATIONS FOR 4–1–4 CURRICULUM

Adaptation to the 4–1–4 Curriculum in the Fall of 1968 required a series of transitional requirements for the classes previously enrolled under the two semester plan.

Graduation Requirement: Students who entered Middlebury prior to September 1968 may complete graduation requirements as follows:

Credits (as of Sept. 16, 1968)	*Terms to be completed*	
	Fall or Spring	Winter
105	1	0
101	1	1
86	2	1
75	3	1
71	3	2
56	4	2
45	5	2
41	5	3
26	6	3
15	7	3
11	7	4

D Credits: Students who entered Middlebury prior to September 1968 will be permitted to credit D's to their record as follows:

D credits for courses started prior to September 16, 1968	D credits for courses started on or after Sept. 16, 1968
22 or more D credits	0D's
18 to 21 D credits	1D
14 to 17 D credits	2D's
10 to 13 D credits	3D's
6 to 9 D credits	4D's
2 to 5 D credits	5D's
0 to 1 D credits	6D's

Transfer of credits: Ordinarily a regular semester course at another institution will be considered the equivalent of a course at Middlebury. "Regular semester course" may be defined as any of the following: 3 or 4 credits, 3 or 4 hours per week per semester, 39 or more 50 minute periods or their equivalent. The Dean of the College has discretion to decide on courses which do not specifically meet the criteria outlined.

Students who leave without completing the graduation requirement may transfer up to 10 credits or

7 credits plus one course, or

4 credits plus 2 courses, or

3 courses in order to complete the graduation requirement.

HONOR CODE

Before enrolling at Middlebury College each student must agree to abide by and uphold the Honor System. This agreement is a condition of matricula-

tion. Under the Honor System all quizzes, pre-announced tests, and final examinations are un-proctored and at the conclusion of the examination the student writes and signs on the examination booklet the following statement:

"I have neither given nor received aid on this examination."

All violations of the Honor Code come under the jurisdiction of the Honor Board which is totally student managed. Anyone who observes an infraction should report the offense to the Honor Board. Any infraction of the Honor System is punishable by dismissal from College.

SCHOLARSHIP

When a student enters Middlebury College, he becomes a member of an academic community that makes its demands and measures its achievements not so much in terms of time as in terms of the task accomplished. Though he is required to register for a certain number of units each term, his commitment to his own education will undoubtedly involve many more hours a week in reading, in laboratory work, and in preparation for his classes than he will spend attending classes.

Scholarship is graded on the scale of 100. Grades are interpreted as follows:

A 90 to 100 Excellent
B 80 to 89 Good
C 70 to 79 Fair
D 60 to 69 Passing
F Below 60 Failure

ACADEMIC HONORS

The College recognizes superior academic achievement in the following ways:

Dean's List. Students who attain an average of 85 or better in their courses at the end of a Fall or Spring term, and who have no grade below 80 are placed on the Dean's List. For students on the Dean's List attendance at classes is at their discretion as long as the quality of their work is maintained.

Phi Beta Kappa. The Middlebury Chapter of Phi Beta Kappa Society is the Beta of Vermont, established in 1868. Students are elected to Phi Beta Kappa by the faculty members of the chapter on the basis of outstanding academic achievement in all fields of their endeavor. Special consideration is given to the attainment of Honors or High Honors in the major department. Students are eligible for election at the beginning of their senior year on the basis of three years work at Middlebury, or at the end of their senior year on the basis of four years work at Middlebury. Students graduating from Middlebury who have transferred from other colleges may be elected on the basis of at least two years at Middlebury.

Departmental Honors Program. Departmental Honors are awarded upon graduation in recognition of superior performance in the student's major field. See page 15 for description of this program.

Commencement Honors. Commencement honors are awarded for high scholastic rank. The degree of A.B. is conferred *cum laude* upon those who have attained an average rank for their entire work at Middlebury of 85 to 88.99; *magna cum laude* if that rank is 89 to 90.99; *summa cum laude* if it is 91 or above.

Honorary Appointments. The faculty makes honorary Commencement appointments: to the senior attaining highest rank, the appointment of Valedictorian; to the second in rank, the appointment of Salutatorian.

Transfer students are not eligible for these appointments.

Prizes, Scholarships, Fellowships. A number of awards providing honorary or financial recognition of academic achievement have been established. Some of these awards are granted during the student's undergraduate career. Others provide assistance for graduate work. A complete listing of these awards is found on pages 124–134.

Special Instructional Programs

SPECIAL PROGRAMS

Combined Professional School Plans. Students normally spend four years at Middlebury before going on to graduate school or to professional schools. However, a student preparing for engineering, architecture, medicine, or dentistry who wishes to limit his education at Middlebury to three years may, under the conditions specified below, transfer at the end of his junior year at Middlebury to an accredited professional school which requires a minimum of two more years of study for engineering, two or three years for architecture, and four years for medicine or dentistry. He may, upon receipt of the professional degree, become eligible, by vote of the Middlebury faculty, for a Middlebury A.B. degree.

For pre-engineering students Middlebury has formal agreements with Columbia University School of Engineering and the University of Rochester which ensure admission to these schools on a combined five-year course of study. Students wishing to take advantage of these agreements must fulfill the requirements stated below and in addition secure the recommendation of the Pre-Professional Committee. Early consultation with the chairman of the committee is essential in planning a student's program. Any freshman even tentatively committed to pre-professional studies should consult Professor Edwin Pool, Chairman, during the Fall term.

Students who participate in one of the combined professional school plans and so become eligible for the Middlebury A.B. are required to meet all the conditions stated in (1) and in (2a) or (2b) or (2c) below.

(1) 24 Fall and Spring term courses and 3 Winter courses must be completed at Middlebury College; a combined average of 75 or better must be achieved in the specified courses (exclusive of the electives) in (2a), (2b), or (2c) below; the freshman and Group A, B, C, and D requirements must be completed; and the student must rank in the upper half of his class during his fifth and sixth semesters.

(2a) Pre-engineering, pre-architectural engineering prescribed courses:
1st year: Chemistry: CH 101, CH 111; Mathematics: MA 112, MA 113.
2nd year: Mathematics: MA 201, MA 202; Physics: PH 109, PH 110; Economics: EC 101, EC 102.
3rd year: Mathematics elective, 300 or above; Physics: PH 301, PH 303, and PH 304; elective from Group A or Group B, 200 course level or above.

(2b) Pre-architecture prescribed courses:
1st year: Chemistry: CH 101, and a second semester of Chemistry; Mathematics: MA 112, MA 113; Fine Arts: FA 101.

2nd year: Mathematics: MA 201, MA 202; Physics: PH 109, PH 110; Fine Arts: FA 103, FA 104.
3rd year: Economics: EC 101, EC 102; one elective in Mathematics or Physics, 300 level or above; one elective in Fine Arts; one elective in Sociology.

(2c) Pre-medical and pre-dentistry prescribed courses:
1st year: Chemistry: CH 101; Biology: BI 101; Mathematics: MA 112, MA 113.
2nd year: Biology: BI 202, and BI 208 or BI 314; Chemistry: CH 241, CH 242.
3rd year: Chemistry: CH 111, CH 351; Physics: PH 109, PH 110; one elective in Economics, History, or Psychology.

Pre-Medical or Pre-Dental Programs. Although many students planning to attend medical or dental school following their graduation choose the joint Biology-Chemistry major, they may properly elect any undergraduate major. However, it is essential that their program include at least the minimal selection of courses required by the professional schools to which they will be applying. To ensure this, all such students should consult periodically with the Chairman of the Pre-professional Committee for approval of their academic programs.

Most medical and dental schools require the following selection of courses: at least three semesters of chemistry; two or more semesters of biology; and two semesters of physics. College mathematics, including some calculus, is strongly recommended. Other requirements, in general, are satisfied with the completion of the Group requirements. Chemistry: CH 101, a chemistry elective (usually CH 111), and Mathematics: MA 112, MA 113 should be taken in the freshman year; in the sophomore year two semesters of Biology (BI 101 and an elective) and Organic Chemistry (CH 241, CH 242) should be elected; Physics: PH 109, PH 110 is normally taken in the junior year.

During May of their junior year most premedical students take the Medical College Admission Test (Dental Aptitude Test, for predental students.) Also at this time, the students obtain recommendation forms and distribute them to faculty members of their choice. Early in the senior year, the Pre-professional Committee, on the basis of an interview with each student and consideration of their faculty recommendations, prepares committee recommendations and letters to be sent to the professional schools.

Very able students may choose the combined professional school plan which permits the student to leave Middlebury at the end of the junior year. (See above: Combined Professional School Plans.)

Environmental Studies. Middlebury College offers an interdisciplinary major in Environmental Studies, with Fields of Emphasis in Ecology, Earth Science, and Human Ecology. Middlebury's locale affords a unique opportunity for field work in these areas, and the Environmental Studies major is designed to take full advantage of this opportunity. The

major is intended for the student who comes to Middlebury College with a firm background in science and an interest in such interdisciplinary careers as terrestrial or marine ecology, oceanography, earth science, physiography and human ecology.

The curriculum is carefully constructed from the College's offerings. Depending on his Field of Emphasis, the student essentially fulfills the departmental requirements for a major in Biology (Ecology), Geology (Environmental Geology), or Geography (Human Ecology). Moreover, all students majoring in Environmental Studies take a common core of courses in Biology, Geology, Geography, Mathematics, Physics, and Chemistry. The Ecology and the Environmental Geology programs include particular additional courses in the natural sciences, whereas the Human Ecology program includes particular additional courses in the social sciences. The depth in his Field of Emphasis, and the breadth in the core courses, give the student a foundation and perspective in environment that is appropriate to the liberal arts tradition. Also, the breadth releases the 2 unit Independent Study and General Examination from the confines of a departmental major, permitting instead the study of a topic that has interdisciplinary aspects, and permitting occasional interdisciplinary seminars.

Students interested in this program should consult Prof. H. E. Woodin, Coordinator of Environmental Studies about specific course requirements. The program should be started in the Freshman year, in order to fulfill prerequisites for further study.

Junior Year Abroad. The College permits certain well-qualified students to spend the junior year studying abroad. Students applying for permission to study abroad are judged on the extent to which they will profit from such study. Ordinarily such students are expected to participate in one of the established foreign study programs. Students in these plans receive credit from Middlebury after submitting proper credentials.

Students may also make individual arrangements for study abroad and may be granted a year's leave of absence from the College. No guarantee of credit is made in advance, and it is the responsibility of the student to present evidence that the work done abroad has been similar in kind and quality to that expected of him at Middlebury.

Students interested in a Junior Year Abroad program should discuss their plans early with their faculty adviser and the Dean.

Critical Languages Cooperative Program. Princeton University has recently established a Cooperative Undergraduate Program for Critical Languages and has invited Middlebury College to participate. The essence of the Program is that a student spends his junior year at Princeton, having acquired at least an elementary knowledge of the language he wishes to study. If the language is not available at Middlebury, he takes an intensive course at an approved summer school before going to Princeton. After the year at Princeton a student may take a second summer of language training before he returns to Middlebury for his senior year and the A.B. degree. Participation is competitive. The languages available are Arabic, Chinese,

Japanese, Persian, Russian and Turkish supplemented by relevant area studies in the humanities and social sciences.

Teacher Education Program. Middlebury has always prepared teachers for the public and private schools. A special program of courses for prospective teachers has been developed to help students acquire those qualities, personal as well as scholarly and professional, which are most conducive to effective teaching. The Teacher Education Program also offers students opportunities to practice teach in elementary and secondary schools. Students who complete the Teacher Education Program can gain provisional certification in most states. The director of Teacher Education is also available to advise students on M.A.T. and other graduate programs in education.

R.O.T.C. The Department of Military Science conducts courses in military subjects in accordance with the Army General Military Science curriculum. The objective of the Military Department is to prepare all Advanced Course R.O.T.C. students for a commission in the Regular Army or the Army Reserve. See pages 89 to 91 for complete description.

Facilities

THE EGBERT STARR LIBRARY

The Library plays a central role in the academic life of the College by providing materials and services to support the teaching and research needs of students and faculty. Its collection which contains 190,000 volumes and 95,000 government documents is available in open stacks, seven days a week. The growing periodical collection includes current subscriptions to more than 1,000 journals. Extensive files of American and foreign periodicals and newspapers dating back to the early 18th century are preserved on microfilm. Scientific books and journals are housed in the Science Center Library.

The Library building was erected in 1900 with funds bequeathed by Egbert Starr; its capacity was doubled in 1925, with the addition of two wings given by his son, Dr. M. Allen Starr. The work of remodeling of the main building and adding new wings was completed in 1962.

The Abernethy Library, a special collection of American literature, is built around the nucleus of books and manuscripts bequeathed in 1923 by Dr. Julian W. Abernethy. It now contains over 10,000 volumes, chiefly in first edition, many of them rare, and about 1,000 manuscripts, mostly autographed letters of American authors. Especially strong are the materials relating to Thoreau, Emerson, and other Concord writers. Frank D. Abernethy, brother of the first donor, furnished a room where the collection is housed and where it is available to all students, faculty, and qualified visitors.

A part of the Abernethy Library, the Robert Frost Room has 300 volumes of Frost's books and books on Frost, most of them autographed. In addition, chiefly through the efforts of Mrs. Corinne Tennyson Davids, the collection includes about 2,800 items of such Frostiana as pamphlets and periodicals containing the poet's work, book reviews, news items, photographs, college bulletins, sheet music of his poetry, tape and disc recordings, and original manuscripts.

Special library collections also include early Vermont imprints, materials relating to Vermont, to Middlebury, and to Middlebury College, incunabula, and rare books and manuscripts in various subject fields. The Special Collections of the Starr Library are open during regular hours to all interested and qualified users.

A collection unique in its field is the Helen Hartness Flanders Ballad Collection of over 9,500 New England items, including Child Ballads, ballads and folk songs of British and American origin, religious songs, fiddle-tunes and call-sets which have been recovered through oral transmission. There are about 4,400 mechanical recordings. Its library contains rare books, broadsides, chap-books, manuscripts, books on folklore as well as American and British regional collections and current folk song journals.

COMPUTER FACILITY

Teletypes are located in Munroe Hall that connect directly with a GE-625 computer at Dartmouth College. These provide students with access

to a computer for class and laboratory work or for individual projects, using BASIC and other computer languages.

BUILDINGS

Administration Building (1836). The Old Chapel, built of grey limestone and for years used as the chief recitation hall, was completely remodeled in 1941 and turned over to administrative offices. Here are located the Old Chapel Room and the offices of the President, the Vice President, the Treasurer, the Deans, the Registrar, the Business Manager, the Comptroller, and the Editor of Publications.

Allen Hall (1963) is constructed of slate from Fair Haven, the home for many years of Cecile Child Allen '01, in whose memory it is named. It houses seventy women students and four house residents and is divided into four separate sections of varying size. In each section is a suite for the resident and a study lounge. Women agreeing to speak German, Russian, or Spanish are assigned to separate sections, each under the direction of a resident speaking that language.

Alumni Center (1909) houses offices of the Alumni and Alumnae Secretaries and the placement office.

Battell Halls (1950 and 1955) are located on the approach to the Château, and east of Pearsons Hall. They are constructed of grey limestone and house two hundred and fifty women.

Bread Loaf Campus. Located twelve miles to the east of the village of Middlebury, this extensive tract of land and group of buildings, comprised of an inn and surrounding cottages, was willed to the College in 1915 by Colonel Joseph Battell; and has since been augmented by the construction of a library, a little theatre, and other housing accommodations.

Carr Hall (1951), located on College Street east of Forest Hall, is a two-story limestone building constructed in memory of Reid Langdon Carr, '01, a former Trustee. Used for the Fine Arts for nearly twenty years, it was converted in 1968 to use as a College Infirmary until funds become available for a new building to serve this purpose.

The Château (1925). Middlebury College was a pioneer in the plan of the separate language house, where the residents use the foreign language exclusively while in the building. The Château is one of the oldest and still the largest "maison française" in the United States. Its architecture was inspired by the Pavillon Henri IV of the palace of Fontainbleau. The Château contains a large salon and a Salon Louis XVI with authentic panels from the Hotel Crillon in Paris and furnishings of the period; a library, classrooms, offices, a dining room, and rooms for forty-eight women.

Charles A. Dana Auditorium, completed in September 1965, and named in honor of Mr. Dana, benefactor of the College, is a fine modern

270-place amphitheatre. Functioning as a part of the Sunderland Language Center, and connected with its electronic studios, it is used not only by the Language Schools, but by the whole College for concerts, lectures and other academic and cultural meetings.

Chemistry Building, constructed in 1913, housed that department until it moved in 1968 into the new Science Center; and, is now awaiting renovation.

Christian A. Johnson Memorial Building (1968). The gift of The Christian A. Johnson Endeavour Foundation, presented by Mrs. Johnson in memory of her husband, expresses in its handsome and generous architecture Middlebury's deep commitment to the programs in Art and Music which are located in the building. A large recital hall, the Johnson Gallery for exhibits of art, studios for painting, design, graphics and sculpture, practice rooms for instrument and voice as well as a library and classroom facilities ring the great three-story open exhibition hall. The building is located on the site of the former music studios south of the Wright Theatre.

The Deanery and the Faculty House. The acquisition and restoration of these two brick buildings adjoining the campus, built about the time of the founding of the College, was made possible in 1966 by the gifts of an anonymous donor interested in providing housing accommodations for members of the faculty and staff, at the same time restoring and preserving outstanding specimens of early American architecture.

Forest Hall (1936) is a women's dormitory constructed of grey limestone and containing sixty-three double suites of two rooms and connecting lavatory, attractive reception rooms and dining rooms. It was built with funds derived from the sale of a large acreage of mountain forest to the federal government.

Gifford Hall (1940), a five-story grey limestone men's dormitory overlooking the campus, was the memorial gift of the late Mrs. James M. Gifford, widow of a long-time trustee of the College.

Hepburn Hall (1916), the gift of A. Barton Hepburn, '71, is a five-story dormitory of grey brick on one of the highest points of the campus. It was completely renovated and remodeled in 1958–59 as a dormitory for freshman men.

Mead Memorial Chapel (1916). This colonial white marble structure of the New England meeting house type, the gift of John A. Mead, '64, stands on the highest eminence of the campus, and the light which shines nightly from its spire is a county landmark. Across its façade are chiseled the words "The Strength of the Hills Is His Also." The chancel has accommodations for a vested student choir and contains a large pipe organ. In the tower is a carillon of eleven bells which are played daily by a student from 5:30 to 6:00 while the College is in session. The small Sunderland Memorial Chapel is used for private devotion and special services.

Munroe Hall (1941). Many of the departments have their classrooms and offices in Munroe Hall, the gift of the late Charles A. Munroe, '96, a former trustee. The interior is modern while the exterior of grey limestone and marble trim conforms with the general colonial architecture of the older buildings.

New Residence Halls for Men and Women: As the beginning of a modest planned expansion, the College opened new residence facilities on the hill beyond Pearsons Hall early in 1969. Designed to blend with the traditional Middlebury stone buildings, the new residences are modern in general concept incorporating a suite plan of rooms. Housing 111 women and 132 men, the two structures are joined at the ground level with lounge and recreational facilities common to both.

Painter Hall (1815) is the oldest college building in Vermont and a fine example of sturdy New England architecture. It bears the name of a founder and first benefactor of the College. Completely remodelled in 1936, it is a men's dormitory.

Pearsons Hall (1911), a marble building of colonial design which commands a view of both the Adirondacks and the Green Mountains, is a dormitory for junior women.

Porter Hospital (1925) is a fireproof brick building with a beautiful view of the Green Mountains, the gift of William H. Porter to the College, for use by the College and the residents of Addison County. In 1960 the building was completely renovated and a substantial wing was added. The Hospital has a 48-bed capacity, modern equipment, graduate nurses always on duty, a resident surgeon, and local physicians on call.

Redfield Proctor Hall (1960), named in honor of the late Governor Redfield Proctor, trustee and benefactor of the College, is the Dining Hall—Student Center. It contains student lounges and offices, a bookstore, the College Radio Station, Offices of the Chaplain, Director of Food Service, and other facilities. The large dining room, accommodating four hundred students by counter-buffet service, permits the entire freshman class, both men and women, to eat together during their first year in college.

Robert Frost Memorial. The cabin and other buildings which Mr. Frost used as his summer home in Ripton, adjoining the Bread Loaf Campus and known as the Homer Noble Farm, were acquired by the College in 1966 through the gift of a generous benefactor.

Science Center (1968). Located on the lower campus below Warner Hall, the Science Center houses the departments of Chemistry, Biology, Geology and Physics. Eventual expansion plans call for a fully integrated facility for all the natural sciences.

Starr Hall (1861) was erected to complete "Old Stone Row"—Painter, Old Chapel, and Starr—and was rebuilt four years later after a fire. It was completely remodeled in 1946 and is a dormitory for men.

Starr Library (1900), including also the Abernethy Library and other collections, is described above.

Stewart Hall (1956) is a modern dormitory of Vermont limestone containing accommodations for one hundred and fifty-two men in double rooms and an apartment for the faculty resident. Located on the upper campus south of Hepburn Hall, it enjoys attractive views of both the Green Mountains and the Adirondacks. It is named in recognition of the Stewart family's long history of service to Middlebury College.

Student Societies: The first three of an eventual nine units to be built around a serving kitchen, each separately articulated architecturally. The dining capacity of 125 students which each of these units provides permits extending into the upperclass years co-educational dining, offered hitherto only in Proctor Hall during the freshman year. Primarily, however, the social facilities integral to each unit are designed to initiate a more wholly co-educational social life than can possibly be developed when centered around the separate housing facilities which comprise a college residence system.

Sunderland Language Center, completed in September 1965, and named in honor of the late Edwin S. S. Sunderland, trustee and benefactor of the College, is the headquarters of the Foreign Language Division and the Summer Language Schools. Its modern audio-visual classrooms, recording and transmission studios, connecting with 63 library-type cubicles equipped with the latest devices for individual language study make this the finest Language Center in the country.

Warner Science Hall (1901) houses the lecture rooms, laboratories, and offices for Psychology, Geography and Mathematics. It was built through the benefactions of Ezra J. Warner, '61, as a memorial to his father, once a trustee of the College. A modern greenhouse has been added to the equipment for the courses in botany.

The Emma Willard House (acquired in 1959), where Emma Hart Willard established her Female Seminary in 1814, is occupied by the offices of the Directors of Admissions and Financial Aid.

Wright Memorial Theatre (1958), the drama and speech center, includes a 400-seat auditorium, a drama workshop, rehearsal rooms, debate rooms, classrooms and faculty offices. The building is named to honor Charles Baker Wright, Professor of Rhetoric and English Literature at Middlebury from 1885 to 1920.

ATHLETIC FACILITIES

The World War II Memorial Field House (1949) is a building 400 feet by 120 feet, located on South Main Street adjacent to Porter Field and the Fred D. Lang Memorial Field. Accommodations in this building provide for large assemblies, dances, an indoor skating rink with artificial ice, regulation

and practice basketball courts, badminton, tennis, and volley ball courts, offices and other facilities. The rifle range and supply rooms of the R.O.T.C. unit are also located here.

Beyond the Field House is the Middlebury College Golf Course, a nine-hole course owned and operated by the College.

The Porter Athletic Field of about eighty acres contains a quarter-mile cinder track, a baseball diamond, the football field, soccer and lacrosse field, and bleachers.

The Fred Davis Lang Memorial Field, situated east of the Memorial Field House, consists of approximately four acres of playing fields available for intramural sports.

Sixteen outdoor tennis courts are located on the campus.

The mountain campus includes the Middlebury College Snow Bowl containing an eight-mile cross-country ski trail, three Poma ski lifts, seven slalom and downhill trials and slopes, and three jumps. The 3,185-foot ski lift is the first installed by any college and the 55-meter Gignac Memorial Jump is the largest collegiate jump in the country. The **Neil Starr Shelter,** which serves as a base building, contains first aid and food service facilities, and a library reading room. Its glass-walled main floor, balcony, and terrace afford a magnificent view of the lifts, slopes, and jumps.

McCullough Gymnasium for Women (1912) is of marble in colonial style and contains facilities for women's indoor athletic activities, squash and handball, body mechanics, and dance as well as arrangements for indoor archery, golf, and battleboard tennis. Offices, lecture room, lounge, and locker room are included. The campus also has a large playing area for women's outdoor sports, field hockey, lacrosse, softball, and golf practice.

The Arthur M. Brown Swimming Pool (1963), meeting N.C.A.A. competition requirements, is for the use of the entire college. It was added to the McCullough Gymnasium through the generosity of Mr. and Mrs. John Kruesi and a bequest of Malcolm T. Anderson, '25.

Development Program

The long range Development Program, inaugurated in 1954, seeks the additional funds necessary to provide increased teaching resources and academic facilities required to sustain Middlebury's educational objectives.

Instructional plant needs require funds for the development of the Science Center and for renovation of older Science buildings. Residential facilities would be improved greatly by gifts for new Residence Halls, new Dining-Social units and for equipping and endowing the Student Health Center. Funds for a Studio for Modern Dance and additional athletic fields are required to meet needs in physical education.

Major attention is being given to the need for increased endowment. Gifts and bequests particularly helpful would be directed in support of increased funds for faculty research, for an improved faculty study and research leave programs, for visiting lectureships, for library and fine arts acquisitions, and for scholarships.

The endowment of a professorship is one of the finest and most rewarding contributions that can be made to a college. Necessary funds for such an endowment would range from $400,000 to $500,000. The endowed professorships currently established at Middlebury and the dates of their founding are as follows:

The Burr Professorship of Chemistry and Natural History (1928)
The John C. Baldwin Professorship of Mathematics and Natural Philosophy (1866)
The Levi P. Morton Professorship of Latin and French (1886–87)
The Beman Professorship of Mathematics (1893)
The James B. Jermain Professorship of Political Economy (1901)
The A. Barton Hepburn Women's Professorship (1908)
The George Nye and Anne Walker Boardman Professorship of Mental and Moral Science (1908)
The Paige-Wright Professorship of Economics (1913)
The Fletcher D. Proctor Professorship of American History (1918)
The Henry Norman Hudson Professorship of English (1920)
The A. Barton Hepburn Professorship of Economics (1922)
The John C. McCullough Professorship of Chemistry (1924)
The Julian W. Abernethy Professorship of American Literature (1933)
The Albert D. Mead Professorship of Biology (1949)
The George Adams Ellis Professorship of Liberal Arts (1956)
The Jean Thomson Fulton Professorships of Modern Languages and Literature (1963)
The Irene Heinz and John La Porte Given Professorship in Pre-medical Sciences (1966)
The Charles A. Dana Professorships (1966)

The Administration will be happy to discuss any of its future plans with friends of the College. Forms for gifts and bequests for endowment, general, and specific purposes are as follows:

Forms for Gifts and Bequests

The corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

GENERAL: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . .for the uses and purposes of the said Corporation."*

ENDOWMENT: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . .to be added to the General Endowment of the said Corporation."*

FOR A SPECIFIC PURPOSE: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . .to be known as the . . . . . .Fund, the principal to be invested and reinvested in its discretion, and the income therefrom to be used for the purposes of . . . . . .If at any time, in the judgment of the Trustees of the said Corporation, the need of income for such purpose no longer exists, the Trustees of the said Corporation shall be, and hereby are, authorized to use the income from the Fund for such purpose as shall in their judgment promote the interests of the College."*

Middlebury College is accredited by the New England Association of Colleges and Secondary Schools, and the Vermont State Department of Education.

The New England Association of Colleges and Secondary Schools accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

College Regulations and Services

THE COLLEGE furnishes each student with a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, athletics, and student activities. All students are responsible for a thorough knowledge of and compliance with these regulations.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, without assigning any further reason therefore. In such cases, the fees which are due or which may have been paid in advance will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

Course Changes. No change in studies is allowed during the first week of the classroom work except by the permission of the student's adviser. During the second week of classroom work a change may be made only with the permission of the adviser, the respective Dean and the instructor involved and the payment of a fee of $5. After the second week of classroom work no change may be made except within a department and upon the initiative of the instructor. No refund of fees for extra courses or for the use of laboratories is allowed after the second full week of the term.

Grades. Reports of standing are made to the Registrar by the instructors at the end of each term. Faculty members do not give out final course grades.

Students are responsible for keeping parents correctly and currently informed of their standing and progress in college. Final grades and notices of academic probation are sent to parents. Parents are notified when a student is placed on warning in two courses.

The Dean of Men, or the Dean of Women, will consider any special curricular problems of veterans and grant waivers to the usual requirements when circumstances involve such factors as health, extended interruption of education, and family responsibilities.

"Successful completion of a year" for draft board certification is defined as "approved for continuance in college."

Transfer of Credit. Normally, transfer credits from other recognized educational institutions are accepted only for the purpose of making up deficiencies in the student's Middlebury record. Whenever possible, the student should secure advance permission to attempt such work at another institution. Transfer of credit forms are available at the Deans' offices. No credit is granted for correspondence courses.

In exceptional cases, and for sound educational reasons, students may

offer the following as equivalent to a year's work or to a Fall or Spring term as appropriate:

(a) Approved foreign study programs.
(b) Summer programs of study approved in advance by the student's major department and the Administration Committee.
(c) Programs of study in conjunction with a Leave of Absence approved by the student's major department and the Administration Committee.
(d) Three or more Advanced Placements at entrance, approved by the departments concerned, as equivalent to a year's work on the recommendation of the Administration Committee.

Failure, Probation, Warning and Readmission. A student who receives two failing grades, three D grades or one failing grade and two D's during a fall or spring term will be dropped from College. First-term freshmen and seventh-term seniors will be reviewed by the Administration Committee prior to final action.

A student who receives two D grades or one failing grade and a D grade in a single term will be placed on probation until the end of the following Fall or Spring term. A student on probation who receives one failing grade or two D grades in the subsequent Fall or Spring term will be required to withdraw.

A student who receives a failing grade in the Winter term while on probation will be required to withdraw; if not on probation the student will be placed on probation for the Spring term. A student on probation from the previous fall and who receives an honors grade for the Winter Session will be removed from probation. A student may not be placed on probation more than twice in his College career.

At any time when a student is failing a course, consistently receiving grades below 70, or in any way neglecting the obligations of a course, he is placed on warning for a minimum of four weeks. At the end of the four-week period he may be taken off warning by the Dean if the instructor certifies that his work has improved sufficiently to warrant this action.

A student who is failing at the same time in three courses is dropped from college if it is the consensus of his instructors and the Dean that his failure is due to lack of application or to negligent attitude.

A student dropped for academic failure will not be readmitted except by special action of the Administration Committee. Readmission is a special privilege, not a right. The Committee will take favorable action only when it is satisfied that the factors which led to failure have been rectified and that the student has both ample motivation and capacity to earn his degree. Mere lapse of time is not sufficient basis for readmission. The burden of proof of motivation and capacity rests with the student. The student is encouraged to enroll at another accredited institution and to achieve a good record there. In some cases, military service or employment related to his interests may be considered as evidence.

Application for readmission is made to the Administration Committee through the Deans of Students. Any student readmitted will be on probation

for the first term following his return and, if dropped a second time, will not be readmitted. A student dropped at mid-years may not be considered for readmission until the following September; a student dropped in June may not be considered for readmission until one academic year has elapsed.

Extracurricular Activities. Middlebury College recognizes the value of extracurricular activities, and students are encouraged to participate in cultural, social, and athletic functions outside of scheduled class work, but participation in such events should not be at the expense of curricular obligations.

Attendance. In order to achieve the levels of scholarship which are the objective of the students and of the College, students are advised to attend all scheduled meetings of their classes. Since the seriousness of absence varies among the courses, instructors announce their attendance policies. Students on the Dean's List, however, are offered the prerogative of voluntary attendance, though they must be present for all pre-announced examinations and may, at the discretion of the instructor, be required to submit promptly all written requirements of the course. Whenever, in the opinion of the instructor, a student's work in a course is being impaired by non-attendance, the Dean is informed and the student must comply with the instructor's requirements for completing the work missed. For students not on the Dean's List, instructors specify the conditions under which work may be made up after a necessary absence. When an absence has not been justified, however, the instructor has no responsibility for aiding the student in making up the work.

When a necessary absence is taken in any course, the student is advised to prepare an "Explanation of Absence" form in the Dean's Office (in the Infirmary Office if illness is the cause) and to submit the form to the instructor. Absences are not excused by the Dean or Doctor prior to a student's being placed on warning, except for a necessary absence from a pre-announced examination, or for an absence due to an emergency. The explanations are for information only. The Dean's Office periodically submits to the faculty the names of students who are to be absent while participating in approved extracurricular activities.

Reasons for absence which are usually accepted by the instructor and the Dean are necessary employment, illness (verified by the College Physician), participation in recognized extracurricular events, and emergencies.

Tardiness from a class or exercise is recorded as an absence.

A student who is absent from a pre-announced examination without excuse receives a failure for the examination and is not granted the privilege of making it up.

Auditing. With the advance permission of the instructor and the Dean a regularly enrolled student may attend other classes as an auditor. The instructor establishes the conditions under which the student may audit, but in no case can the student receive credit for auditing. Occasional visiting is also allowed with the previous permission of the instructor.

Motor Vehicles. Qualified students are permitted to have or to operate a motor vehicle.

RESIDENCE HALLS

Middlebury is a residential college. All single men live in the residence halls or fraternity houses; all women live in the residence halls.

Reservations are made by upperclassmen during the spring for the following year. Students reserving rooms are responsible for the year's rental charge, unless special arrangements are made with the Director of Dining Halls at the time the room contract is signed. All rooms are assigned subject to residence halls regulations and the terms of the room contract. Occupants are liable for any damage to the residence halls and their furnishings. A student may be required to withdraw from college or be subject to lesser disciplinary penalties for failure to respect residence halls regulations, and forfeit the room charge already paid. The College does not accept responsibility for loss of money or other personal property or damage thereto while located in the Halls. The Director of Residence Halls reserves the right to remove from a student's room any item which constitutes a safety hazard or seriously interferes with the maintenance of the building.

Rooms are ready for occupancy in September on the day preceding the first college exercises and, except for seniors, are vacated in June on the day following the student's last final examination. Residences are closed during the Thanksgiving, Christmas and Spring vacations, and students may not have access to rooms during these periods.

Men's Residences. Preference in choice of rooms is given to students in order of classes. Residence Halls are furnished with single or double-deck beds, mattresses, desks, dresser and chairs. Bedding, pillows and other accessories are furnished by the occupants. Room fees include heat and electricity, and janitor service. Students provide their own laundry service.

Student Fellows in each section of the freshman halls work closely with the Deans and the freshman advisers.

All men must eat either in the College Dining Halls or fraternities unless exempted by the Dean of Men.

Women's Residences. Each of the residences for undergraduate women is under the supervision of a head resident. The room charge includes heat, light and limited maid and janitor service. All rooms are furnished with single bed, pillow, mattress, study table, dresser, and chair for each student. Students provide their own bed linen and towels and provide for their laundering. All resident women students dine in college dining halls unless exempted by the Dean of Women.

Women's residence halls include Forest Hall, Pearsons Hall, Battell North, Center, and South and the new women's dorm. The Château and Allen Hall accept qualified students who are interested in acquiring facility in spoken French, German, Spanish, or Russian.

FRESHMAN WEEK

Directly preceding the opening of the fall term, there is a four-day period of orientation to assist freshmen in adjusting to the college community. The program includes Freshman Convocation, an informal assembly, registration, receptions and social gatherings, lectures by members of the college personnel, and placement tests. Each student is assigned to a registration counselor. Freshmen are also assisted by upperclass student advisers.

CHAPEL SERVICES

On the highest eminence of the campus stands Mead Memorial Chapel where members of the community may gather for common worship. On weekdays there are occasional services conducted by the chaplains, faculty members, and students.

The main weekly service is on Sunday morning. The sermons are delivered by the chaplains, visiting clergymen, and faculty members. During 1968–69 Professor William Spurrier of Wesleyan University, Professor Ganse Little, Jr., of Williams College, Dr. John B. Coburn of Episcopal Theological School, and Chaplain Charles Baldwin of Brown University were among the guest preachers. The College Choir, an organization which has engendered among students a keen appreciation of the place of fine music in worship, is always present at the Sunday service.

The chapel program includes lectures, occasional concerts such as the performance of Handel's *Messiah* by a chorus composed of students, faculty, and townsfolk, and other special events.

The chapel program is entirely voluntary. It is Christian in emphasis and ecumenical in breadth.

ENDOWED LECTURESHIPS

Julian W. Abernethy Lecture. Established in 1928 under the will of Julian W. Abernethy, Class of 1876. A writer of distinction is annually invited to address the College upon some aspect of American literature in commemoration of the birthday of Dr. Abernethy, founder of the Abernethy Library.

William H. Edmunds '17 Memorial Lecture. Established by Vermont Transit, Addison and Chittenden Trust Companies in memory of William Edmunds. Income may be used to provide a lecture on the Middlebury campus in the Social Sciences.

Charles S. Grant Memorial Lecture. Established by friends in memory of Professor Grant to provide an annual lecture in History.

Samuel S. Stratton Lecture. Established by 1962–63 gifts to the Parents' Fund to honor Dr. Stratton at the time of his retirement as the eleventh President of Middlebury, to provide an expanded program of visiting lecturers on the Middlebury campus.

Class of 1914 Lecture. Established by an anonymous member of the Class of 1914, to provide an annual lecture on Science and the Humanities.

The John Hamilton Fulton Memorial Lectures. Given anonymously. To establish lectures, performances and extended visits to the Middlebury campus by distinguished scholars, artists and performers.

THE WILLARD DUNCAN CARPENTER '14 MEMORIAL LECTURE: Established by Mrs. Ethel G. Storm, Class of 1916, in memory of her first husband. For an annual lecture in economics by a visiting economist from a leading university, industry or government.

HEALTH MEASURES

The College Medical Fee provides for the services of a full-time physician who serves as Medical Director for the College. The Medical Director is assisted by two full-time registered nurses who provide round-the-clock attention at the College Infirmary. In addition to out-patient treatment at the Infirmary, space is provided for bed care of minor illness. The Medical Fee provides for care for each student at the Infirmary without charge each year. In addition the Medical Fee covers accident insurance for all students. The Town of Middlebury has a well equipped hospital; there is a surgeon member of the American Board on the staff. Extensive medical facilities are available at Mary Fletcher Hospital in Burlington.

The Medical Director of the College has general oversight of the health needs of the student. Every freshman must present before matriculation a satisfactory health certificate signed by a physician. Physical measurements and health records are filed and corrective exercise recommended when needed. All freshmen and sophomores who are physically able are required to participate in organized physical activities at least two periods a week. The College reserves the right to ask the withdrawal of any student for medical or psychiatric reasons. A student may be requested to have a thorough physical examination once a year or whenever considered necessary by the Medical Director. The Medical Director authorizes all absences due to illness.

The College maintains a Psychiatric Adviser on its administrative staff. He is a fully qualified psychiatrist and is on the campus two afternoons a week. Students may visit him directly or be referred to him by the Deans or by the Faculty Advisers. There is no charge for this service, but if, in the opinion of the Psychiatric Adviser, a student needs a continuing program of psychiatric assistance, such a program is arranged and financed privately by the student. The Psychiatric Adviser is in constant touch with the Deans and advises the College of all matters involving the mental health and welfare of the students.

EXTRACURRICULAR PROGRAM

The relatively small size of the College permits participation in a variety of extracurricular activities by all undergraduates. Theatrical productions, sports events, debates, lectures and weekend mountain trips are scheduled throughout the year.

Concert-Film. Outstanding artists and films are brought to the campus under the supervision of a faculty committee appointed for that purpose. All regularly enrolled students are admitted to these concerts and films without charge.

Many other special lectures are sponsored by the College, under special funds, or through various departments and organizations.

Conference. An annual two-day symposium is held at which outstanding authorities in the fields of the arts, literature, economics, politics, religion, and science discuss with the students problems of current significance.

Religion Conference. In 1953 a group of students organized and raised money for a weekend conference on religion. They envisioned an annual event for the purpose of "exploring the meaning of religion in modern life." In 1957, Mr. Don Mitchell established an endowment to insure an annual income for the Religion Conference. As a result this conference has become one of the important occasions in the college calendar.

Radio Station. Students operate an F. M. radio station licensed by the F. C. C. as a 10 watt educational facility. Programming features music, sports, interviews and news.

ATHLETICS

Middlebury College is a member of the Eastern College Athletic Conference, the largest collegiate athletic conference in the nation. This Conference has exacting rules of eligibility affecting competition by its members. Middlebury is also a member of the National Collegiate Athletic Association. The College maintains a healthy and active intercollegiate athletic program consisting of ten sports: football, cross-country, soccer, basketball, skiing, hockey, baseball, track, lacrosse, golf, and tennis. There is also a freshman athletic program in some intercollegiate sports. Colleges of similar size and type such as Amherst, Williams, Wesleyan, Hamilton, and Union are met in most sports. In some sports Middlebury teams meet Army, Cornell, Dartmouth, Harvard, Massachusetts Institute of Technology, Princeton, Rensselaer Polytechnic Institute, and other large institutions. Middlebury, Norwich University, University of Vermont and St. Michael's College play annually for the Vermont State Championship in most sports.

Intramural games are scheduled in basketball, track, golf, rifle, soccer, lacrosse, bowling, tennis, relays, badminton, touch football, volleyball, hockey, softball, and swimming. Skiing and hockey are special features of the winter calendar.

A sports program for women, under the direction of the Department of Physical Education for Women and the Women's Recreation Association, includes intramurals, extramurals with other colleges, and participation in organized tournaments and meets open to college women. Activities include archery, badminton, basketball, bowling, diving, field hockey, folk dance, golf, ice skating, lacrosse, modern dance, riding, skiing, softball, squash, swimming, synchronized swimming, table tennis, tennis, trampoline, and volleyball. Performing groups include the Modern Dance Club and the Synchronized Swimming Club.

Students take part in the Annual Winter Carnival which, in the thirty-

four years since its inception, has assumed an important role in the social and sports life of the College.

The College does not assume legal responsibility for the expense in caring for injuries sustained by athletes while training for or participating in athletic competition.

ORGANIZATIONS

Administrative organizations include the Interfraternity Council and Redfield Proctor Hall Board of Governors.

Honorary organizations on the campus are: Phi Beta Kappa, Waubanake, Blue Key, Mortar Board, Junior Counsellors and Sophomore Guides.

There are also athletic, musical, dramatic, literary, religious, and departmental student clubs.

Nine fraternities are represented: Alpha Sigma Psi, Chi Psi, Delta Kappa Epsilon, Delta Upsilon, Kappa Delta Rho, Phi Kappa Tau, Sigma Epsilon, Theta Chi, and Zeta Psi.

Fraternity rushing is held at the beginning of the sophomore year.

PUBLICATIONS

Undergraduates of Middlebury College publish the weekly newspaper, *The Middlebury Campus*. Students assume complete responsibility for the editorial content of the newspaper. The junior class publishes *The Kaleidoscope*, the student yearbook. The *Student Handbook*, giving information about campus organizations and college regulations, is published annually.

New Faces, a publication containing pictures of the members of the entering class, is published each year by the College in cooperation with the students and made available to parents and members of the student body.

The Middlebury College News Letter, a quarterly magazine, is published by the College for its alumni, parents and friends.

The Middlebury College Bulletin is published eight times during the college year. Periodic numbers include catalogues of the academic year, the Language Schools, the Bread Loaf School of English, the Bread Loaf Writers' Conference, and the Graduate Schools Abroad.

CAREER PLACEMENT

The Placement Office provides all students and alumni of Middlebury College with a central source of information and with personal counseling on career planning, graduate work, and summer employment. Opportunities to meet with representatives of graduate schools and with prospective employers are given throughout the year. The Placement Library contains a wide variety of career and summer employment possibilities.

All students should register with the Placement Office regardless of their professional goals. A permanent record of all college and university

data is maintained, together with recommendations from faculty and employers, at no cost to the registrant. Upon request, copies of this dossier are sent out to prospective employers and graduate schools. Registration is normally conducted in the Spring Term of the student's Junior year.

GRADUATE WORK

Academic Year. Middlebury College offers graduate courses leading to the Master of Science degree in the Departments of Biology and Chemistry during the regular academic year. Inquiries about these programs should be addressed to the chairman of the department concerned. Graduate students may be enrolled only upon recommendation of the department concerned and approval by the Graduate Work Committee. The courses which are regularly offered for graduate credit are:

Biology: All Biology courses numbered 300 or above and Mathematics 300 or above.

Chemistry: All Chemistry courses numbered 400 or above. In order to serve the needs of graduate students in these departments, cognate courses in other departments may, when appropriate, be raised to graduate level by inclusion of supplemental material.

Candidacy for the Master of Science degree is subject to the following general regulations:

1. The candidate must hold a baccalaureate degree from Middlebury College or from a comparable institution and must have completed an undergraduate course of study sufficient for effective graduate work.
2. The candidate must satisfy Middlebury College of his fitness to undertake graduate study.
3. The candidate must be a student in residence at Middlebury College for at least one academic year.
4. In order to be granted the degree, the candidate must successfully complete graduate work equivalent to nine courses.
5. Graduate work done at other institutions may be transferred for credit toward a Middlebury degree subject to the condition that at least six of the required course equivalents for graduation must be completed at Middlebury College.
6. Graduate work in cognate fields may, upon approval of the major department, be counted toward the degree subject to the limitation that at least six of the nine required course equivalents must be in the department in which the degree is granted.
7. All work to be credited toward the degree must be completed with a grade of 80 or above.
8. Participation in laboratory teaching and preparation is a degree requirement.
9. All work to be credited toward the degree must have been completed during the ten year period immediately preceding the granting of the degree.

Candidacy for the Master of Science degree is subject also to such further regulations as Middlebury College may establish.

Tuition fees for graduate study are the same as those for undergraduate work. There is an additional fee of $20 for the diploma.

Teaching and research fellowships are available. Information concerning these may be obtained from the chairman of the department concerned.

The Summer Session. Graduate work leading to the Master of Arts degree in English and the advanced Master of Letters degree are offered in the summer at the Middlebury College Bread Loaf School of English. Courses, varied each year, are given in English, American, and classical literature, literary history and criticism, dramatic arts, and the craft of writing. Full information about the curriculum and requirements for the degree is given in the Middlebury College Bulletin for the Bread Loaf School of English, published each year in February. All inquiries should be addressed to the Director.

Graduate work leading to the Master of Arts degree is offered in the Middlebury College Summer Language Schools of French, German, Italian, Russian and Spanish. Courses, varied each year, are given in the spoken and written language, and in the literature, civilization, and methods of teaching the language. Students are required to pledge themselves to use only the language of their school during the entire session. Full information about the curriculum and requirements for the degree is given in the Middlebury College Bulletin on the Summer Language Schools, published each year in March. All general inquiries should be addressed to the Secretary of the Language Schools; specific inquiries about admission and courses, to the Director of the School.

Beginning and advanced courses for undergraduate and graduate credit are also offered in Mandarin Chinese, in a ten-week summer session. Full information is given in the special Bulletin on the Summer School of Mandarin Chinese, which may be requested of the Secretary of the Language Schools.

The Middlebury College Bread Loaf Writers' Conference is also held at Bread Loaf during the two weeks following the School of English. This Conference offers lectures, discussions, and private consultations, at the graduate level, in fiction, non-fiction, poetry and children's literature, but does not lead to a degree. Full information is provided in the special Bulletin, published each year in April. Inquiries should be addressed to the Bread Loaf Secretary.

The Graduate Schools Abroad. Middlebury College conducts Graduate Schools of French in France, of German in Germany, of Italian in Italy, and of Spanish in Spain.

The students spend the academic year on a coordinated program of advanced instruction in linguistics, phonetics, literature, history, the arts and social institutions. These courses are followed in the Faculties or other divisions and institutes, or in specially arranged graduate study, in Paris, Mainz, Florence, and Madrid. The students work under the close guidance and supervision of a resident representative of Middlebury College. At the close of the year, final examinations are administered under his direction, and

the successful candidates receive the Middlebury Master of Arts degree, in addition to any foreign certificates or diplomas which they may earn.

A preliminary summer of preparation at the Middlebury Summer School is normally required, and only those who prove themselves qualified are allowed to enroll. Members of the group make their own arrangements for transportation, board and room, with the advice and guidance of the Middlebury Director. The Director facilitates worthwhile social contacts and assists their plans for travel, visits to museums, and attendance at theatres and concerts. A special bulletin will be sent on request to the Language School's Office.

The Degree of Master of Letters. Besides the Master of Arts degree, the Bread Loaf School of English also offers the advanced degree of Master of Letters (M. Litt.) representing the equivalent of a year of specialized study in the field of English or American literature beyond the M.A. A leaflet describing the requirements will be sent on request.

The Degree of Doctor of Modern Languages. Besides the Master of Arts degree, the Foreign Language Schools also offer the advanced degree of Doctor of Modern Languages (D.M.L.). A detailed statement of the requirements for this degree will be sent on request.

Departments of Instruction

All courses are given as term courses with the exception of Senior Independent Work (700) and Honors. These course numbers may signify on-going work, and in such event are marked "S" (Satisfactory progress) or "U" (Unsatisfactory).

Courses numbered 100–199 are usually taken by freshmen; 200–299, by sophomores; 300–399, by juniors; 400–499, by seniors. Schedules are cleared on this basis and conflicts will thus be most easily avoided by taking courses in proper sequence.

At the head of each departmental section, the major is described and the requirements for a major in that department are stated, together with recommended courses.

Prerequisites to a course are shown in parentheses. Courses not being offered in 1969–70 are bracketed. Abbreviations include: Lab., laboratory period; Lect., lecture period. Courses marked § satisfy Group A requirement (Page 17). Courses marked † satisfy the foreign language requirement (Page 17).

The College reserves the right, without further notice, to cancel any courses herein described, or to make any other changes in staff, fees, and courses which may be deemed necessary.

THE DEPARTMENTS OF INSTRUCTION are organized in four Divisions: Humanities, Foreign Languages, Social Sciences, and Natural Sciences.

Division of the Humanities

Chairman: PROFESSOR DAVID J. LITTLEFIELD

American Literature
English and Drama
Fine Arts
Music
Philosophy
Religion

Division of the Foreign Languages

Chairman: ASSOCIATE PROFESSOR M. KIMBERLY SPARKS

Classics
French
German
Russian
Spanish and Italian

Division of the Social Sciences

Chairman: PROFESSOR WILLIAM B. CATTON

Economics
History
Political Science
Psychology
Sociology—
Anthropology
Teacher Education

Division of the Natural Sciences

Acting Chairman: PROFESSOR GEORGE B. SAUL

Biology
Chemistry
Geography and Geology
Mathematics
Physical Education
Physics

AMERICAN LITERATURE

Professors: H. M. Munford (*chairman*); Associate Professor: H. P. Beck; Assistant Professor: R. W. Franklin; Instructor: P. A. Stitt

The aim of the program in the department of American Literature leading to a major is two-fold: (1) to study the culture of the American people as reflected in their most important writings; and (2) to examine the structure and evaluate the meaning of these writings in the context of the social and intellectual backgrounds. The program, which introduces students to key works, authors, and periods of literature at the undergraduate level of awareness, is designed to lead to the graduate level of experience.

Every student must satisfy a minimum requirement of eight fall and spring courses in the major and two terms of Independent Study. This requirement must include the basic course, the American Novel, four term courses in the department, the General Examination; one year of American History; and two period courses in English Literature beyond the Freshman English course.

The Independent Study Program is conducted by a background reading list and group meetings carrying two course equivalents and normally taken in the Fall and Spring Terms.

Required for the Major: AL 201, AL 202 or the Qualifying Examination (students may qualify for the American Literature major either through their standing in AL 201 and AL 202 or through the Qualifying Examination), AL 301 and AL 302; four other fall or spring term courses, Independent Study and the General Examination, one year of American History; and two fall or spring period courses in English Literature.

AL 201 American Literature Fall, Spring
A study in the growth of American literature from the seventeenth century through the first half of the nineteenth century, as emerging from its cultural backgrounds, and the significance of its major writers: Edwards, Franklin, Cooper, Irving, Poe, Hawthorne, Emerson, Thoreau, and others. Staff

AL 202 American Literature Fall, Spring
A study of the major writers from the second half of the nineteenth century to the present, with emphasis on particular works and their relevance to the more important traditions in American literary history. (AL 201) Staff

AL 301 The American Novel Fall
The development of the American novel; the meaning and structure of the novels of the nineteenth century focusing on particular novels of Cooper, Hawthorne, Melville, Twain, Howells, James, Crane, Norris, and Dreiser. (AL 201 and AL 202 and permission) Mr. Munford

AL 302 The American Novel Spring
An analysis of thematic and structural aspects in representative American novels of the twentieth century with concentration on Cather, Lewis, Dos Passos, Fitzgerald, Hemingway, Faulkner, Wolfe, Cozzens, Warren, Ellison, Malamud, and Bellow. (AL 201, AL 202, AL 301) Mr. Munford

AL 401 The American Short Story Spring
A study of the development of short prose fiction in America from Washington Irving to the present time. The history of the short story form, techniques, and changing point of view will be considered with special regard to Haw-

thorne, Melville, James, Crane, Fitzgerald, Hemingway, and others. (AL 201, AL 202) MR. BECK

AL 402 Emerson, Melville, Whitman, Poe Fall
A study in depth of selected works of three major American writers emphasizing their relationship in the context of the time. (AL 201, AL 202)
MR. STITT

AL 404 Modern American Poetry Spring
A study of twentieth century American poetry, the explication and evaluation of the poems of Robinson, Frost, Pound, Eliot, Crane, Williams, Stevens, Cummings, Marianne Moore, Robert Lowell, Roethke, and others. (AL 201, AL 202 and permission) MR. STITT

AL 407 American Biography Spring
A study of the growth of the American mind in the context of social and intellectual backgrounds, exemplified in the Puritan biographies and in the autobiographies of U.S. Grant, Henry Adams, Lincoln Steffens, James Baldwin, Malcolm X, and in the biographies of Lee, Lincoln, Henry Ford, and others. (AL 201, AL 202 *or* one year of American history)
MR. MUNFORD

[AL 409 Seminar: Henry James]

[AL 410 Seminar]

AL 412 Folklore and Mythology Fall
An analysis of the backgrounds of American folklore with emphasis on the material as it serves both to form our cultural heritage and shape American Literature. (AL 201 or permission) MR. BECK

AL 500 Special Research Fall and Spring
Open to qualified majors. (Permission) STAFF

BIOLOGY

Professors: G. B. SAUL, II (*chairman*), D. J. MCDONALD, H. E. WOODIN; Associate Professor: D. B. VAN VLECK; Assistant Professor: C. D. WATTERS; Instructor: M. S. GREENWOOD; Assistant: MRS. H. M. MUNFORD

The Department of Biology offers programs of study in a broad spectrum of areas, ranging from life processes at the molecular level to the interrelationships of whole organisms and their environments. The Major Program is designed to enable the liberal arts student to understand the biological world and man's role in it, as well as to prepare students for graduate and professional schools. The Department is well equipped to offer laboratory study and student research opportunities in many areas. In addition, the geographical location of Middlebury College, with thousands of acres nearby owned by the College or within the Green Mountain National Forest, provides an excellent outdoor laboratory for ecological studies.

Each student electing a Biology major must plan his program of courses in close consultation with a faculty advisor within the Department. This program will include BI 101, other Biology courses to bring the total within the Department to at least 11 (including the Senior Program), and at least 5 cognate courses chosen from the offerings

of other departments within the Science Division. This procedure is intended to allow the student maximum flexibility in designing a major program which fits his individual interests while providing him the guidance needed to avoid mistakes which might hamper his future career.

A separate, joint major with Chemistry has been developed to enable students to study aspects of both fields without having to take all the courses prescribed for a pure major in either field. The Department also participates in the interdisciplinary Environmental Studies major (see Page 22). Special major programs involving biology and other fields may be arranged to suit individual needs.

Students planning careers which require graduate or professional school training involving biology are advised that such schools commonly expect applicants to be familiar with the subject matter included in Biology: BI 201 or BI 202, BI 203, BI 314, and BI 407; Chemistry: CH 101, CH 241, and CH 242; Mathematics: MA 112; and Physics: PH 109, and PH 110. Some medical and graduate schools expect additional courses in mathematics and chemistry. Students who anticipate applying to graduate or professional school programs will be urged by their advisors to include appropriate courses in their programs.

The Department admits a limited number of graduate students as candidates for the Degree of Master of Science in Biology. The requirements of this program are detailed on page 41, and include research, a thesis, an oral examination, and some assisting in undergraduate laboratories.

Courses designated with an asterisk * may be taken without laboratory under the following conditions: (1) only students who have satisfied the Group C requirements are eligible. (2) The stated prerequisites for the course must be met. (3) Students majoring in Biology or jointly in Biology and other subjects may not count such courses toward the fulfillment of the major.

Required for a Major: BI 101; elective courses within the Biology Department; Senior Program; 5 cognates chosen within the Science Division.

Recommended: see list above, advised as preparation for graduate and professional schools.

Required for a Joint Major in Biology and Chemistry: see page 51.

Honors Program: students should apply during the Spring Term of the Junior year. Honors are awarded on the basis of an Independent Study project of superior quality and satisfactory completion of requirements to be specified by the Department.

BI 101 General Biology
An introduction to principles selected for their importance to students beginning a Biology major, as well as those fulfilling the science (Group C) requirement. Relations of organisms to their environments; fundamentals of physiology, development, genetics, and evolution. 3 hrs. lecture, 3 hrs. laboratory. Lab. fee $15. STAFF

BI 102 General Biology
Topics selected for their importance to liberal arts students fulfilling the science (Group C) requirement. The diversity of plants and animals, animal behavior, topics in human biology, human genetics, parasitism and disease, and ecology. This course should not be elected by students who have decided to major in Biology or jointly in Biology and Chemistry. 3 hrs. lecture, 3 hours laboratory. Lab. fee $15. (BI 101) STAFF

[*BI 201 Invertebrate Biology]
The invertebrate phyla, which include the great majority of animals, will be

discussed partly from an evolutionary standpoint based on their morphology and embryology, and partly from a functional viewpoint which will emphasize adaptions of living forms in terms of their physiology, ecology and behaviour. The laboratory will concentrate on the former aspect through the examination of living and preserved specimens, the lectures on the latter. A term paper will be required from each student, and will form the basis of a class presentation. Some field collection will be expected from the students; and a week-end field trip to the Atlantic coast may be sponsored by the Department on a voluntary basis. (BI 101). 3 hrs. lecture, 3 hrs. laboratory. Lab. fee $15. Not offered 1969–70.

***BI 202 Biology of Vertebrates** Fall

The evolution of organs and organ systems in Phylum Chordata, with emphasis on the higher vertebrates. Brief treatment of comparative embryology. Laboratory study of shark, Necturus, and cat, designed to supplement lectures and develop skill in dissection; term paper or special laboratory exercise. (BI 101 or permission) 3 hrs. lecture, 6 hrs. lab. Lab. fee $15.

MR. VAN VLECK

***BI 203 Plant Form and Function** Fall

The structure and physiology of higher plants. Photosynthesis, water relations, ion and organic movement all will be discussed with regard to the structure of the organs involved. Limited coverage of plant taxonomy and the evolution of reproduction. Four or five laboratory exercises and one experiment to be conceived and performed by the student are required. (BI 101, CH 241) 3 hrs. lecture, 4 hrs. laboratory. Lab. fee $15.

MR. GREENWOOD

***BI 204 Plant Growth and Development** Spring

The morphology and physiology of meristems, and the development of plant tissues and organs will be examined. The physiology of flowering and of the plant growth substances will be discussed. Four laboratory exercises, one experiment to be conceived and performed by the student, and one seminar presentation are required. (BI 203) 3 hours lecture, 4 hours laboratory. Lab. fee $15.

MR. GREENWOOD

BI 208 Developmental Biology Spring

The normal development of organisms, including fertilization, differentiation and morphogenesis, as well as the phenomena of regeneration and carcinogenesis. Laboratory will include observation of living and preserved, sectioned embryos, and experimental approaches to various developmental problems. (BI 102, or BI 201, or BI 202 or permission) 2 hrs. lecture, 6 hrs. laboratory. Lab. fee $15.

MR. WATTERS

[BI 307 Histology and Histological Techniques]

The microscopic structure of animal cells, tissues and organs is correlated with their function. Strong emphasis is placed on identification of tissues. Students are taught standard techniques for preparing tissues for study and

prepare many of their own slides. Students elect individual problems. The course will prove most useful to those contemplating careers in research biology. (Permission of instructor. BI 201, BI 208 recommended) 2 hrs. lecture, 6 hrs. laboratory. Lab. fee $15. Not offered 1969–70.

BI 311 General Ecology Fall

The organism in relation to the abiotic environment. A critical investigation of how the physical and chemical attributes of fresh-water, marine and terrestrial habitats affect the position and number of organisms. Laboratory exercises include mostly field trips to study environmental parameters with one or more weekend trips to study a lake as a sample ecosystem. Each student will write a paper, as if for publication, dealing with independent research carried on throughout the semester. (BI 101) 3 hrs. lecture, 6 hrs. laboratory: includes 3 hrs. arranged for individual research problem. Lab. fee $15.

MR. WOODIN

BI 312 General Ecology Spring

The organism in relation to the biotic environment. The inter- and intraspecific reactions of an organism to other organisms at all levels of social organization. Laboratory exercises include field trips to study animal behavior and organization using infra-red, radiotelemetry devices, and controlled laboratory use of radioactive tracers to study food chains. Each student will write a paper, as if for publication, dealing with independent research carried on throughout the semester. (BI 311 or permission) 3 hrs. lecture, 6 hrs. laboratory: includes 3 hrs. arranged for individual research problem. Lab. fee $15.

MR. WOODIN

***BI 314 Genetics** Spring

Lecture topics include the nature and action of hereditary material, statistical analysis, linkage, mutations, chromosome aberrations and polyploidy, and population genetics. Developmental aspects and evolutionary implications are stressed. Laboratory study is designed to introduce some major organisms and techniques used in research, and includes training in analyzing and reporting data. (BI 101) 3 hrs. lecture, 3 hrs. laboratory. Lab. fee $15.

MR. SAUL

***BI 316 Animal Behavior** Spring

A review of recent developments in the field of the behavior of invertebrates and vertebrates, with particular emphasis on the evolution and ontogeny of behavioral patterns, and some consideration of the physiological and neurological mechanisms underlying them. The laboratory will include both set experiments and independent investigations, the latter with fish and with local animals. (BI 101 or permission.) 3 hrs. lecture, 3 hrs. laboratory. Lab. fee $15.

MR. MCDONALD

BI 401 Advanced Genetics Fall

A seminar course, involving discussion of selected topics of current interest in various aspects of genetics, and based on assigned readings and student and

faculty presentations of relevant journal literature. (BI 314 and permission.)
MR. SAUL and MR. MCDONALD

BI 404 Comparative Physiology Spring
The principal physiological processes of animals, with emphasis on the diversity of mechanism between and within different groups of animals. Consideration of function primarily at the level of organs and organ systems. Laboratory designed to acquaint students with diversity of quantitative techniques. (BI 407. Seniors or permission) 3 hrs. lecture, 3 hrs. laboratory. Lab. fee $15 and breakage. MR. VAN VLECK

BI 407 Cell Biology Fall
The cell as organism. Emphasis on the integrative organization of cellular structure and function: maintenance, growth, reproduction and specialization. Laboratory will include both observational and experimental studies of cellular activity. (BI 101, MA 101 or MA 112, or permission of instructor.) 3 hrs. lecture, 4 hrs. laboratory. Lab. fee $15. MR. WATTERS

BI 500 Advanced Study Fall and Spring
A project involving laboratory research or extensive library study on a topic chosen by the student and a faculty advisor. For majors in Biology. (Permission) Fee of $15 per semester if laboratory work is involved.
STAFF

BI 700 Independent Study Fall and Winter

BI 900 Research and Thesis Fall and Spring
Required for all candidates for the Master's degree. Lab. fee $15 per semester if laboratory work is involved. STAFF

CHEMISTRY

Professors:* G. H. HARNEST (*chairman*). W. A. MOYER,* E. K. ROBERTS; Associate Professors: R. W. GLEASON (*acting chairman*) E. L. POOL; Assistant Professors: D. B. LEDLIE, R. D. NELSON, C. W. SCAIFE.

Majors offered in the Department of Chemistry are described below. Students who plan a professional career in this field should elect the Certified Major because it provides a thorough training in the fundamentals of Chemistry and its relation to other scientific fields, medicine, engineering and related subjects. The Chemistry Department is accredited by the Committee on the Professional Training of Chemists of the American Chemical Society, and majors who wish to be accredited by the Society should have their programs approved by the Chairman of the Department early in their college career.

Required for a Major: CH 101**, CH 111, CH 131, CH 241, CH 242, CH 351, and two other courses in the department; Mathematics: MA 112, MA 113; Physics PH 109, PH 110; and Senior Work (CH 700). Majors should consult with the department for the options allowed in the Senior Work program:

Required for a Certified Major: Students who wish to be certified by the American Chemical Society may complete a Major in Chemistry with the following courses: CH 101**

*On leave 1969–70

**CH 101 is the normal introductory course in Chemistry. However, students may qualify for permission to omit CH 101 and begin their studies in Chemistry with CH 111, or CH 131, or CH 241: Consult the Chairman of the Department:

CH 111, CH 131, CH 241, CH 242, CH 311, CH 351, CH 352, CH 431, CH 441, and one other semester course in the department; Mathematics: MA 112, MA 113, MA 201, MA 202; Physics: PH 109, PH 110; and Senior Work. A reading knowledge of German or Russian is required. The certified major is designed to qualify a student for advanced work in graduate schools or for positions in the chemical industry.

Joint Major in Biology and Chemistry. Required for a Major: Biology: BI 101, BI 202, BI 407, and two electives; Chemistry: CH 101**, CH 111, CH 131, CH 241, CH 242, CH 351, and one elective; Mathematics: MA 112, MA 113; Physics: PH 109, PH 110; and Senior Work. Joint majors should consult with the departments for the options allowed in the Senior Work program. Joint majors in Biology and Chemistry must have a reading knowledge of French, German, or Russian.

Masters Degree in Chemistry. A Program leading to the Master of Science degree is offered for a limited number of qualified students holding a B.A. or B.S. degree. Refer to page 41 of this catalogue for general regulations concerning graduate work. Each candidate for the Master's Degree in Chemistry must pass qualifying examinations in the fields of Physical Chemistry, Analytical Chemistry, Organic Chemistry, and Inorganic Chemistry. Participation in laboratory teaching and preparation is a degree requirement. In addition, each candidate must complete a Thesis Research Program and successfully defend this work in an oral examination. Programs are arranged through consultation with the Chairman of the Department.

A deposit fee to cover cost of broken apparatus is charged in each laboratory course, to be paid at the beginning of each term.

CH 101 Fundamentals of Chemistry Fall and Spring

Fundamental principles of Chemistry. Atomic theory and atomic structure, chemical bonds, stoichiometry, kinetic theory and the states of matter. Problem drill, conferences. Laboratory work deals with the testing of theories by various quantitative methods. Students with adequate secondary school preparation are encouraged to consult the Department for permission to elect Chemistry CH 111, CH 131, or CH 241 in place of this course. Two sections in Fall; one in Spring. 3 hrs. lect., 4 hrs. lab. Laboratory fee, $10 and breakage. STAFF

CH 111 Analytical Chemistry I Fall and Spring

Extensive treatment of mass action theory (ionic equilibrium) concerned mainly with ionization of strong and weak electrolytes, buffers, hydrolysis, solubility of difficultly soluble substances, complex formation, oxidation-reduction systems, and quantitative measurements involving these phenomena. Laboratory work is mainly titrimetric analysis with some gravimetric methods. (CH 101 or permission) 3 hrs. lect., 6 hrs. lab. Laboratory fee $10 and breakage. MR. POOL

CH 131 Systematic Inorganic Chemistry Fall and Spring

A systematic study of the elements and their compounds based on the Periodic Table. The isolation of the elements from their natural sources, and the synthesis of some important types of inorganic compounds. The properties of selected elements and their compounds are discussed in class and/or studied in the laboratory using various analytical methods. (CH 101 or permission) 3 hrs. lect., 3 hrs. lab. Laboratory fee $10 and breakage.

MR. MOYER, MR. SCAIFE

CH 241, CH 242 Organic Chemistry I and II Fall and Spring
An introduction to the study of the compounds, both aliphatic and aromatic of carbon. The approach is based on the properties of functional groups with considerable emphasis on electronic theory and reaction mechanisms. Laboratory exercises involving the synthesis of organic compounds, the analysis of various classes of compounds and the identification of unknowns complement the lecture material. (CH 101 or permission; CH 241 must precede CH 242) 3 hrs. lect., 6 hrs. lab. Laboratory fee $12 and breakage.
MR. GLEASON, MR. LEDLIE

CH 311 Analytical Chemistry II—Qualitative and Quantitative Separations Spring
Principles and theory of separations, both qualitative and quantitative, involving chemical and physical methods: separations by precipitation, distillation, extraction, chromatography, ion exchange, and others. Instrumental methods for separation and analysis. Sampling, dissolution, errors, and atomic weight determination. Laboratory work in qualitative and quantitative inorganic analysis, selected instrumental methods, and an individual project involving separation. (CH 351, co-req. CH 352) 3 hrs. lect., 6 hrs. lab. Laboratory fee $10 and breakage. MR. POOL

CH 351 Physical Chemistry I Fall
A basic study of thermodynamics and the properties of the gaseous and liquid states. The laws of thermodynamics are developed and applied to chemical equilibria and electrochemistry. The physical properties of gases, liquids, and solutions are discussed and interpreted through thermodynamics. Chemical kinetics is treated empirically. (CH 111; Mathematics: MA 112, MA 113; Physics: PH 109 or permission) 3 hrs. lect., 4 hrs. lab., 1 hr. conf. Laboratory fee $10 and breakage. STAFF

CH 352 Physical Chemistry II Spring
An introduction to the Schrodinger equation is followed by a treatment of a particle in various types of potential wells. The valence bond, molecular orbital, and ligand field theories are illustrated with examples from organic and inorganic chemistry. Spectroscopy and photochemistry serve to illustrate quantum effects. The solid state and solid-liquid equilibria are discussed. Finally the kinetics of complex reactions are analyzed. (CH 131, CH 242, CH 351; Mathematics: MA 201; Physics: PH 110) 3 hrs. lect., 4 hrs. lab. Laboratory fee $10 and breakage. MR. NELSON

CH 411 Analytical Chemistry III Spring
Principles and theory of analysis by instrumental methods. Topics include basic electronics, instrumental design, ultraviolet, visible, and infrared spectrophotometry; refractometry; potentiometric titration methods; polarography; conductance methods; differential thermal analysis; x-ray fluorescence; and others. Laboratory work involves electronic circuits and selected methods of instrumental analysis. (CH 311) 2 hrs. lect., 3 hrs. lab. Laboratory fee $10 and breakage. STAFF

CH 421 Biochemistry Fall
A study of the classification, structures, and chemistry of lipids, proteins, and the nucleotides. Enzyme nomenclature and the classification and characteristics of enzymes. Digestion, absorption, and metabolism of lipids and proteins. (CH 242, CH 351, or permission; Biology BI 101 is recommended) 3 hrs. lect. MR. MOYER

CH 422 Biochemistry Spring
A study of the classification, structures, and chemistry of carbohydrates. Biological oxidation systems and bioenergetics. Digestion, absorption, and metabolism of carbohydrates and interrelationships with lipid and protein metabolism. Optional laboratory work involves individual projects dealing with various biochemical techniques. (CH 242, CH 351, or permission; Biology: BI 101 is recommended) 3 hrs. lect., 3 hrs. lab. optional. Laboratory fee $10 and breakage. MR. MOYER

CH 431 Advanced Inorganic Chemistry Fall
Atomic structure; molecular structure by valence bond and molecular orbital treatment; transition metal complexes according to valence-bond, molecular orbital, crystal field, and ligand field theories. Relations of atomic and molecular structure to chemical and physical properties. Other topics such as crystal chemistry, acid-base theories, solvent systems, and nuclear chemistry. (CH 131, CH 242, CH 352; Physics: PH 110). 3 hrs. lect.
MR. SCAIFE

CH 441 Organic Chemistry III—Qualitative Organic Analysis Fall
Methods of identification of organic compounds taking advantage of characteristic reactions of various functional groups are considered in some detail in connection with the first several laboratory assignments. Heavy reliance on modern methods of analysis, infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy will be encouraged as the course proceeds. The course culminates in the separation and identification of the components of a mixture containing three to five compounds. (CH 111, CH 242) 1 hr. lect., 6 hrs. lab. Laboratory fee $12 and breakage. MR. LEDLIE

[**CH 442 Advanced Organic Chemistry**]
An introduction to physical organic chemistry in which an extensive treatment of polar displacement and elimination reactions is included. Also considered are the relationship of structure to reactivity (the Hammett equation), general and specific acid and base catalysis, the mechanism of electrophilic and nucleophilic aromatic substitution reactions. (CH 242, CH 351) 3 hrs. lect. Offered in alternate years. Not offered 1969–70.

CH 443 Advanced Organic Chemistry Spring
A study of some of the more important special topics of organic chemistry including advanced synthesis in general with specific treatment of the following: reactions of active methylene compounds; structure determination of complex natural products; peptide synthesis and sequential analysis;

introduction to the steroids; selected name reactions and rearrangements. (CH 242) 3 hrs. lect. Offered in alternate years. STAFF

CH 451 Physical Chemistry III Fall

A more detailed investigation of the interaction of matter and energy on the molecular level. The bases of statistical thermodynamics are developed and illustrated with ideal systems and theories of chemical kinetics. An advanced study of the electromotive force and the thermodynamics of solutions follows, making extensive use of chemical potential and activity. (CH 352) 3 hrs. lect. MR. NELSON

CH 500 Independent Study Project Fall, Winter, Spring

Individual Study for qualified students. Permission. Laboratory fee $12 per semester and breakage. STAFF

CH 700 Senior Work. Fall, Winter, Spring

CH 900 Graduate Research Fall, Winter, Spring

Open to qualified candidates. Required by all candidates for the Master's Degree. Permission. Laboratory fee $12 per semester and breakage. STAFF

CLASSICS

Professor: J. I. ARMSTRONG; Associate Professors: W. HARRIS (*chairman*), MISS U. M. HEIBGES

The principal aims of courses in the Classics are to enable the student to attain a rapid and accurate reading knowledge of Greek or Latin, and then to read broadly while developing critical skill and a sense of the art of language. Greek and Latin literatures are understood to be an embodiment of deep spiritual and artistic concern, and the major literary achievements are studied in this light.

The four basic approaches to a Degree in Latin or Classics are:

1) Latin CL 101–2, CL 201–2, CL 301–2, CL 401–2, Independent Study, History HI 105–6, and the passing of the General Examination.
2) For students entering with higher qualifications: Latin CL 201–2, CL 301–2, CL 401–2, CL 500, History HI 105–6 and the passing of the General Examination. (Reductions of some parts of these requirements may be considered in the case of students doing a joint program with another language, Classics and English or Classics and Philosophy.)

The courses listed above constitute the basic major program which confers the degree of A.B. in Latin.

3) Upon completion of Greek CL 151–2 and CL 251–2, the student enters the fuller Classical Curriculum and is a candidate for the A.B. in Classics. Greek is necessary for an understanding of the fused Greco-Roman civilization, and the student is advised to begin Greek as early as possible, certainly not later than the sophomore year. This program would lead naturally to advanced study of any of the European literatures or to Comparative Literature. Requirements: 2) above and CL 151–2, CL 255, CL 351–2.
4) For the student planning later professional work in the Classics it is important to begin Greek in the freshman year in order to allow time for advanced work in the junior and senior years. Serious study of French and German should be started as these are basic, required ancillary disciplines for graduate study in the Classics. Most universities now require at least one of these languages on entrance to the graduate program. A student engaged in this full program may be exempted from History HI 105–6 in favor of work outside the immediate area of study.

Classics in Translation

CL 271 Greek Intellectual History Fall
Introduction to the history of the Greek mind through historical materials, satire and Old Comedy through New Comedy, lyric poetry, the beginnings of philosophy and Sophism. This course serves as prolegomena to the reading of Greek drama, although it is not a prerequisite course, and it does not require CL 272 for its completion. MR. HARRIS

CL 272 Greek Tragedy Spring
Extensive reading in Greek drama in English, with intensive study of selected plays. The student is introduced to the criticism of ancient authors with detailed attention to critical methods and some of their dangers. Historical background is presented as needed, and the student is rigorously introduced to the structural analysis of poetic discourse. MR. HARRIS

Latin

[CL 101 Introduction to Latin]
This course presupposes no previous knowledge of Latin, but those with a weak background may enter with the instructor's permission. An inductive method is used and the synthetic concept of grammar is elicited from careful reading of texts of literary worth, rather than presented paradigmatically at the outset. A great part of the work is oral and tapes for the study of frequency-graded vocabulary are used. By the end of the first term the student should be able to read a text of intermediate difficulty with aid of the dictionary, and should be able to begin Augustan literature.

[CL 102 Vergil and Livy]
During the first month the student is introduced to Vergil's language and style. He is then given a large reading assignment in Vergil, which he will complete in great part on his own by the end of the term. The next month provides him with a similar introduction to Livy's prose, with occasional class periods devoted to questions in Vergil that may arise. During the last month the student reads on his own parts of Vergil and Livy, while the meetings turn to the bases of structural analysis of creative art, with poems of Catullus, Horace and Propertius studied in class.

The first term provides a basic reading technique; the second term should bring the student to the threshold of college level work in Latin. The course serves as an introduction to prospective majors who have had no Latin or poor training, in which case it should be taken in the freshman year. For students in the Humanities who wish to minor or take a joint program with Latin, the course should be taken not later than the sophomore year.

CL 201 Introduction to Authors in a Social Context Fall
This course provides a wide selection of examples from Roman Literature, both prose and poetry, which will be used to demonstrate the various dimensions in which a document can be perceived in relation to the social and historical mise-en-scene. The theory of this process will be fully discussed in

class; in addition the student must prepare himself in ability to read Latin with an eye toward increased fluency and ultimate development of a reading knowledge. (CL 102 or three to four years of high school preparation, in which case confer with the instructor.) MISS HEIBGES

CL 202 Introduction to Poetry† Spring
The course is directed toward a perception of the creative and artistic use of Latin, and will investigate the spiritual qualities which make the poet as well as the formal and structural dimensions which are observable in poetic discourse. The poetry will be studied with no reference to historical actuality in order to focus the student's attention more fully on the inner structure of the poem as an artifact of words drawn through time. MR. HARRIS

CL 201 and CL 202 serve for the language requirement. They can be taken in either order.

CL 301 and CL 302 The Earlier Literature§ Fall and Spring
Of the following areas and topics one will be chosen to be given in the fall term and one in the spring term. Choice will depend on the needs of the students and special sequences will be determined from year to year.

a) Plautus and the early drama
b) Lucretius and Roman Philosophy
c) Love poetry: Catullus, Propertius, Tibullus
d) Cicero and his world
e) Lyric: Catullus and Horace

The work is conducted in small groups in which the student participates actively. Papers and seminar reports introduce the student to the secondary literature, while he develops his sense of the language by reading large sections of texts. The actual understanding of the language is at this point the student's responsibility, and the classwork turns to historical, social and esthetic considerations. STAFF

CL 401 and CL 402 The Later Period§ Fall and Spring
One of the following topics will be offered in the fall and one in the spring term. Choice will involve students' interest and the optimum effect of the sequence continuing from CL 301–2; these two years' work are conceived as a single program working intensively with some of the most important works from the two critical centuries in Roman culture.

a) Ovid
b) Satire: Horace, Persius, Juvenal
c) Tacitus
d) The Novel: Petronius and Apuleius
e) The Christian authors from Minucius Felix to Augustine. MISS HEIBGES

CL 500 Fall and Spring
Special projects studied independently in greater detail. STAFF

Greek

CL 151 Introduction to Greek Fall
No previous knowledge of the language is required. The first term will cover

basic structure and vocabulary of Ancient Greek as a preparation for a reading knowledge of ancient Greek literature. MISS HEIBGES

CL 152 Introduction to Homer's Iliad Spring
Starting with very careful reading of small portions of the text with grammatical analysis in class, the student will proceed with the aid of graded vocabulary tapes to a fairly fast pace of reading, and will cover approximately four books of the *Iliad*. MISS HEIBGES

CL 251 Homer: Iliad and Odyssey Fall
Fast reading of a considerable portion of the *Iliad* and *Odyssey* with introduction to the critical literature and secondary materials. Much of the classwork will be devoted to formation of an esthetic appreciation of Homer's work. MR. HARRIS

CL 252 Introduction to Greek Drama† Spring
Carefully guided reading in Euripides leading to one play of Sophocles, with sufficient reference to the intellectual history of the Greeks to make this singularly beautiful and difficult area meaningful. MR. HARRIS

[CL 255 Greek Tragedy §]

[CL 351 Pindar and Aeschylus §]

[CL 352 Plato and Thucydides §]
Plato will serve as an introduction to Attic prose; as soon as the student can work with the text with some facility, extensive readings will be assigned, and attention will turn to Thucydides. Not offered 1969–70.

CL 550 Independent study Fall and Spring
Students will select an author or area not previously studied and work largely on their own, conferring weekly with the staff about problems in language and interpretation as they arise. STAFF

ECONOMICS

Professor: D. K. SMITH (*chairman*); Associate Professors: J. V. CRAVEN, K. H. WOLFF; Assistant Professors: D. M. BECHTER[1], T. H. HIBBARD, J. T. WENDERS[2]; Instructors: D. M. CHAFFEE[3], A. M. CHURCH

The Economics Department seeks to develop the student's capacity for economic analysis: This goal seems ever more appropriate as economic problems become more numerous and more complex. The departmental program is designed to provide a solid grounding in the discipline of Economics. This design serves well the needs of both the terminal major and the graduate school candidate.

The Principles course, open to members of all four classes, is a study of economic theory and its policy applications. It provides a foundation for more advanced work or a terminal course, depending on the student's interests and needs. The increased use of quantitative methods in the work of the economist calls for the study of Statistics, Mathematics, and Accounting by the major, hence, the Department urges that the Mathematics requirement,

1. On leave 1969–70
2. On leave Fall and Winter Terms 1969–70
3. Fall and Winter Terms

Mathematics MA 101 and MA 112, be attended to in the Freshman year. Statistics and Accounting are usually taken during the Sophomore year. The two Class II or Class III courses required, one term of Intermediate Theory and one term of application, are normally the center of interest during the Junior year. The three Class IV courses required are taken during the Junior or Senior year. The background of theory, application, and quantitative methods described above is the basis for two terms of Independent Study and one term of General Examination preparation in the Senior year. Independent Study consists of a series of projects carried out under departmental direction. Preparation for the General Examination is carried out with a minimum of supervision and direction. This Examination is the natural culmination of the integrated program of the major in Economics.

The Department serves as a clearing house for information on Graduate Schools in Business and in Economics. Students planning to do graduate work in Business or Economics should take Mathematics MA 101 and MA 112 and EC 418. Non-economics majors going to Business School should take at least EC 101, EC 102, EC 211 and 213 in addition. Any student planning to do graduate work in Mathematical Economics or Econometrics should take Mathematics MA 301 and MA 311.

Required for a Major in Economics: For the Class of 1971 and after, *all* Class I courses, *either* the Class II or Class III courses, *three* of the Class IV courses and *one* Winter course. (If a student chooses to take all of the Class II and III courses, he may then take only *two* Class IV courses.) The requirements listed in the 1968–9 catalogue will hold for majors of the Class of 1970. Mathematics MA 101 and MA 112 or their equivalent are requirements for majors of all classes.

Class I	*Class II*	*Class III*	*Class IV*
EC 101	EC 305	EC 306	EC 401
EC 102	EC 316	EC 315	EC 402
EC 211			EC 403
EC 213			EC 404
EC 700 (two terms)			EC 405
EC 705			EC 418
			EC 495

Cognate Courses Strongly Recommended: History and Mathematics
Cognate Courses Recommended: Geography and Political Science

EC 101 Principles of Economics Fall
A study of the scope of Economics; economic systems; price theory; foreign trade; income distribution. STAFF

EC 102 Principles of Economics Spring
A study of the determination of income and employment; the banking system and monetary policy; fiscal policy; aspects of foreign trade not covered in EC 101. (The two semesters of Principles may be taken in either order). STAFF

EC 201 Contemporary Economic Problems Fall and/or Spring
This course is specifically designed for non-majors; no attempt will be made to cover all the fields of economics. Certain contemporary economic problems will be analyzed, and the relevant theoretical tools will be developed and applied problem by problem. As an aid to the instructor, each student will be asked upon registration to list those problems he would like to see analyzed in the course. Designed primarily for those Juniors and Seniors who have not had either EC 101 or EC 102. MR. WOLFF

EC 211 Economics Statistics Fall and Spring
Theory and interpretation of statistics. Introduction to probability theory, statistical inference, regression analysis, decision theory, index numbers, time series analysis. Computer number fee, $5.00.

EC 213 Principles of Accounting Fall and Spring
The philosophy of Accounting; accounting procedures with maximum emphasis on the theoretical considerations involved; proprietorship, partnership and corporate accounting. (This course is strongly recommended for all students planning for graduate study in law or business.) MR. SMITH

[EC 214 Principles of Accounting]
Cost accounting; financial analysis; theory of accounting, with emphasis on society's interest in accounting practices and the possible alternatives to those practices. (EC 213) Not offered 1969–70.

EC 305 Micro-economic Theory Fall
A detailed analysis of the pure theory of consumption and production employing indifference curve techniques throughout. Particular attention is given to the derivation of supply and demand functions in both product and factor markets from the maximizing behavior of firms and consumers. A general equilibrium model is presented as a unifying element. Relevant mathematical tools are developed as needed. (EC 101) MR. CHURCH

EC 306 Industrial Organization Spring
A detailed analysis of the behavior of the firm under varying market structures and the public policy implications. Emphasis is placed on modifications and extensions of the traditional theory of the firm as a tool for the analysis of existing market structures. Consideration is given to the dimensions of public policy throughout. (EC 101) MR. WENDERS

EC 315 Macroeconomic Theory Fall
A detailed analysis of the determinants of the level, growth, and fluctuations of national income, employment, and prices. The contributions of both the Classical and Keynesian theories are presented in a general equilibrium context. Modern theories of economic growth and business cycles are discussed. (EC 102) MR. HIBBARD

EC 316 Macroeconomic Policy Spring
A study of public policies affecting aggregate output, employment, prices, fluctuations and growth. The emphasis is upon fiscal and monetary measures as employed in the United States. (EC 102) MR. HIBBARD

EC 401 Economic Growth Fall
A study of the attempts to broaden economic theory beyond static analysis toward a theory of dynamic change and growth. (EC 101 and EC 102) MR. WOLFF

EC 402 The Economics of Development Spring
An analysis of history, theory, and competing contemporary policies for economic development. (EC 101 and EC 102) MR. WOLFF

EC 403 The Corporation and the Economy Fall
A study of corporate financing; the corporation as an object of public policy; the corporation viewed as a major influence in the economy. (EC 101) MR. CRAVEN

EC 404 Labor Problems Spring
The history of the labor movement; union structure and government; economics of the labor market; labor legislation. (EC 101) MR. CRAVEN

EC 405 International Trade Fall
A study of the economic basis of international trade and its impact on domestic and world economies. The emphasis throughout is upon theoretical analysis. Consideration is given to questions of public policy toward trade, the study of customs unions, and the relation of underdeveloped countries to the world economy. (EC 101 and EC 102) MR. CHAFFEE

[EC 408 Government Finance]
Principles and practices relating to government revenues, budgeting and expenditures, incidence and effects of taxation; fiscal policy; the use of public credit. Not offered 1969–70.

[EC 410 Comparative Economic Systems]
An analysis of the alternative methods proposed and used for solving the universal economic problems under different social and political philosophies and forms of government. Not offered 1969–70.

[EC 415 and 416 Economic Thought and Modern Economic Tendencies]
A study of the great thinkers in Economics against the background of their times. Not offered 1969–70.

EC 418 Mathematical Economics Spring
A study of selected topics in economic analysis with the use of mathematical and statistical methods. (EC 101 and EC 102 and permission.) Computer number fee, $5.00. STAFF

EC 495 Research Seminar Fall
At the beginning of this course each student will select a topic on which he wants to do economic research. Under the direction of the instructor, he will proceed to develop a bibliography and detailed outline. The Seminar will meet as a group to study and discuss common problems of research methodology. Research results will be presented to the class. (Permission)
MR. HIBBARD

EC 700 Independent Study

EC 705 General Examination

ENGLISH & DRAMA

Professors: P. M. CUBETA, D. J. LITTLEFIELD, H. B. PRICKITT (*chairman*), ****E. T. VOLKERT; Visiting Professor: W. L. SHARP; Associate Professors: J. H. CLAGETT, **E. A:

**On leave Winter and Spring terms, 1969–70
****On leave 1969–70

MARTIN, R. M. PACK, C. A. POTTER; Assistant Professors: F. C. CABOT, *R. W. HILL; Instructors: M. S. GOHLKE, W. W. KERRIGAN, B. TEUSH; Lecturer: ***D. DELETIS; Associate: W. A. FREGOSI

*On leave Fall and Winter terms, 1969–70
***Part-Time

Because of the varied nature of the Department's offerings, courses are differentiated by their second and third digits in the following manner:

Literature (00–19)	Theatre Arts (40–59)
Dramatic Literature (20–39)	Writing (60–79)

In registration the symbol ED is used to designate all courses offered by the Department. For example, the first semester of the required freshman course is designated: ED 101.

The Department offers majors in English Literature and in Drama. Departmental reading lists are provided in each area as a basis for Independent Study and the General Examination.

Required for a Major in English are (1) Interpretation of Literature: an Analytic and Generic Approach (ED 101) or Advanced Placement; (2) Interpretation of Literature: an Historical Approach (ED 201–202) or the Qualifying Examination (Students may qualify for the English Major either by their standing in ED 201–202 or by the Qualifying Examination); (3) the Senior Program; (4) four other semester courses in literature. Recommended also are courses in Fine Arts, History, Music, Philosophy, and Foreign Languages. Sophomores are encouraged to elect, in addition to ED 201–202, either American Literature Survey (AL 201, AL 202), or English Novel (ED 208–209), or Classics of Literature (ED 307–308). Juniors are encouraged to elect courses from among the following: Shakespeare (ED 322–323), Modern Drama (ED 325–326), Nineteenth-Century Literature (ED 313–314), Eighteenth-Century Literature (ED 306), Contemporary Poetry (ED 402). In addition to the required Senior Program, Seniors are encouraged to elect Renaissance Literature (ED 303–304), Chaucer (ED 404), Honors if qualified, and one or two seminars. Seminar offerings vary from year to year. Juniors and Seniors may undertake Special Projects (ED 500). Only literature (00–19) and Dramatic Literature (20–39) courses count toward the maximum of 14 courses permitted in the major.

The Qualifying Examination will test the student's ability to interpret literature critically and will examine his grasp and comprehension of a literary subject in an historical context. The subject of the Qualifying Examination in 1969–70 will be Views of the Hero. The Qualifying Examination will be offered twice: once during the regular examination period at the end of the second semester, when it will incorporate the final examination in ED 202, and again in September on the Friday morning before College begins. Any student, with the Department's permission, may take the Qualifying Examination whether he has been enrolled in ED 201–202 or not; a student who does not qualify during the second-semester examination period may take the Qualifying Examination again in September, although his grade in ED 202 will not be affected.

The Senior Program (for students in the class of 1969 and subsequent classes) consists of the writing of an essay or completion of a project and the General Examination for a total of three courses. Each Senior is assigned to a faculty member for guidance in his essay or project and in his preparation for the General Examination.

The Major in Drama is an area of emphasis within the English Major and as such has no specific course requirements other than ED 201–202. A student majoring in Drama is responsible for the Senior Reading List for Majors but beyond that has free selection of courses within the English and Drama Department as prescribed in the new senior plan. Theatre Arts (40–59) courses are not included in that total.

A student majoring in drama will develop a Senior Project in dramatic literature or theatre arts. In the General Examination he will have a choice of questions dealing primarily with dramatic literature. The General Examination will consist of two written examinations and an oral examination.

All drama majors are required to serve on one production staff each year either for credit in a Production Seminar or on crew without credit.

Literature

ED 101 Interpretation of Literature Fall and Spring
Close critical reading of the lyric, short story, novel, and drama. Frequent short critical papers. (Required of freshmen and a prerequisite for other courses offered by the Department.) STAFF

ED 102 Interpretation of Literature Spring
Continuation of ED 101. Frequent critical papers. Permission. STAFF

ED 201 Interpretation of Literature: an Historical Approach Views of the Hero § Fall
Through discussion, lectures, papers and independent study such writers and works as the following will be considered: Homer, *The Odyssey;* Virgil, *The Aeneid; Sir Gawain and The Green Knight;* Chaucer, *Troilus and Criseyde;* Shakespeare, *Coriolanus* and *Antony and Cleopatra;* poems by Donne and Marvell; Milton, *Paradise Lost.* MR. MARTIN and STAFF

ED 202 Interpretation of Literature: An Historical Approach. Views of the Hero in Literature from the Eighteenth to the Twentieth Century § Spring
Readings for discussion, lectures, papers and independent study will be selected from among such writers and works as the following: Pope, *The Rape of the Lock,* Moral Essays and Epistles; Voltaire, *Candide;* Goethe, *The Sorrows of Young Werther;* Wordsworth, *The Prelude* and other poems; Byron, *Don Juan;* Bronte, *Wuthering Heights;* Melville, *Billy Budd;* Hardy, *The Mayor of Casterbridge;* Conrad, *Heart of Darkness;* poems by T. S. Eliot; Fitzgerald, *The Great Gatsby;* Lawrence, *Lady Chatterley's Lover;* poems by Yeats; Malamud, *The Natural,* Mailer, *Armies of the Night.* (ED 201 or Permission.) MR. HILL and STAFF

ED 321 Shakespeare § Fall
Representative comedies, histories, and problem plays will be examined in preparation for an intensive study of *Hamlet.* Juniors and Seniors. MR. CUBETA

ED 322 Shakespeare § Spring
An intensive study of *Othello, Macbeth, King Lear, Antony and Cleopatra, Coriolanus* and *The Tempest.* Juniors and Seniors. MR. CUBETA

ED 323 Seminar in Shakespeare § Fall
An intensive study of three plays by Shakespeare: *Hamlet, Macbeth,* and *The Tempest* in a context suggested by the mythological and psychological patterns of Sophocles' *Oedipus Rex* and *Oedipus at Colonus* and Aeschylus' *Oresteia.* Juniors and Seniors. Permission. MR. PACK

ED 303 Introduction to Literature of the English and Continental Renaissance: 1500–1610§ Fall

Selected works of major English and Continental writers, in conjunction with readings in the historical and cultural background of the period. The course will include such figures as Castiglione, Erasmus, Rabelais, Montaigne, Wyatt, More, Sidney, Spenser, and Shakespeare. Non-English works will be read in Renaissance translations where possible. Juniors and Seniors. Limited to 30 students. MRS. GOHLKE

ED 304 Poetry and Prose of the Age of Milton§ Spring

English literature from 1603 through Milton. A close examination of the poetry of Ben Jonson and John Donne and of their successors, especially Herrick, Carew, Herbert, and Marvell. The prose of Bacon and Browne also receives attention. The course culminates with the works of John Milton (ED 304 or permission). Limited to 30 students. MR. KERRIGAN

ED 305 Poetry and Prose of the English Augustan Age§

A critical investigation of the artistic achievement of major writers from 1660 to 1745, conducted primarily in terms of their evaluation of the political, religious, social, moral, intellectual, and aesthetic activities of the times. Figures studied are Dryden, Addison and Steele, Swift, Pope, and Gay. Juniors and seniors. Limited to 30 students. MR. PRICKITT

ED 306 Prose and Poetry of the Age of Johnson§ Spring

A study of the major writers of the second half of the eighteenth century as they reflect the changing and conflicting social, political, moral, intellectual, and aesthetic attitudes of the period. The major figures studied are Johnson, Boswell, Gray, Goldsmith, Sterne, Burke, and Burns. (ED 305 or permission) MR. PRICKITT

ED 307 Classics of Literature: Greece§ Fall

A study in translation of ancient Greek epic, lyric, and drama. The *Iliad* and *Odyssey* of Homer; lyric and personal poetry of the 7th and 6th centuries; selected tragedies of Aeschylus, Sophocles, and Euripides; selected comedies of Aristophanes; with corollary reading in Thucydides' *Peloponnesian War* and Plato's *Symposium*. MR. LITTLEFIELD

ED 308 Classics of Literature: Rome§ Spring

A study in translation of Roman epic and satire. The *Aeneid* of Virgil; the *Metamorphoses* of Ovid; the *Satires* and *Epistles* of Horace; the *Satires* of Juvenal and Persius; with corollary reading in the lyrics of Catullus and Ovid and the *Twelve Caesars* of Suetonius. MR. LITTLEFIELD

[ED 309 Comparative Fiction: Shorter Works of Modern Fiction§]

A seminar devoted to the analysis of a single work each week. The readings will include short stories and novellas selected from the works of: Flaubert, Chekhov, Gogol, Tolstoy, Kafka, Mann, Singer, James, Lawrence, Vorheer, Nabokov, Bellow, and Barth.

ED 310 Comparative Fiction§ Spring
Through critical interpretation of European and American novels and novellas the course tries to arrive at a definition of what is "modern" in modern prose fiction. Readings will include works by Fielding, Goethe, Jean Paul, Kleist, Gogol, Dostoevsky, Mann, Joyce, and Kafka. No knowledge of foreign language is presupposed. Two lectures and one discussion period.
Mr. Sparks

ED 313 Prose and Poetry of the Romantic Period§ Fall
A study of the Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. Sophomores by permission. Limited to 40 students. Mr. Cabot

ED 314 Prose and Poetry of the Victorian Period§ Spring
A study of Tennyson, Browning and Arnold, and their responses to their time. Other writers receiving some attention are Macaulay, Carlyle, Mill, Newman, Huxley, Pater, Swinburne, and Wilde. Sophomores by permission. Limited to 40 students. Mr. Hill

[ED 401 Literary Criticism§]
This course will focus on the poetry of Wordsworth, Keats, and Stevens though aspects of Blake, Coleridge, and Shelley will also be considered. Selected poems will be analyzed in detail from several critical points of view. Also, these poets will be compared in respect to their attitudes toward "pleasure" and "paradise." Permission. Not offered 1969–70.

ED 402 Modern Poetry§ Spring
Through careful analysis of the style and thought of representative poems, this course will attempt to suggest ways of approaching the following poets: Hardy, Hopkins, Yeats, Frost, Stevens, Crane, Roethke, Thomas, and Hughes. Open to seniors, juniors, and sophomores. Mr. Pack

[ED 403 Literature in the Middle Ages§]

ED 404 Chaucer§ Fall
Close analysis of the *Canterbury Tales* in Middle English, with more rapid reading of *Troilus and Criseyde* in translation. Some time will be devoted to background reading in Boethius, Continental romance, and the history of the English language. Mr. Martin

Seminars

Seminars vary in topic from year to year. A group of students interested in exploring a certain body of material may initiate a seminar by consulting with members of the department. Such requests should be made by the middle of the semester preceding that in which the seminar is to be offered.

ED 405 Seminar: John Milton§ Fall
A chronological study of Milton's major works, including the political prose but excluding *Paradise Lost*. In general, the course will be concerned with Milton's developing sense of himself as poet, prophet, and divine revolutionary. Permission. Mr. Kerrigan

ED 406 Seminar: The Spenserian Imagination§ Spring
A study of the major poetry of Edmund Spenser, concentrating on the *Faerie Queene*, which will be studied in the light of the Renaissance concern with the relationship between pastoral and heroic modes, comedy and tragedy, and the role of the narrator, culminating in a formulation of the function of the poetic imagination as conceived by Spenser. (Permission)
MRS. GOHLKE

ED 407 Seminar: William Butler Yeats§ Spring
Extensive reading in most of Yeats' works with intensive study of selected poetry. Works to be read or read in outside the required reading of all the poetry will include: *The Autobiography*, *The Collected Plays*, *A Vision*, *Mythologies*, *Irish Fairy and Folk Tales* (ed. Yeats), *Ideas of Good and Evil*, *Discoveries*, *Per Amica Silentia Lunae*, *The Cutting of an Agate*. Juniors and Seniors. Permission.
MR. HILL

ED 408 Seminar: Charles Dickens§ Spring
Reading of a selection of novels, with an examination of the following: depravity, goodness, satire, comedy, melodrama, characterization, the grotesque, emblem and symbol. Permission.
MR. CABOT

Writing

ED 375 Advanced Imaginative Writing: Prose Fall
A seminar course in advanced writing, in which students are encouraged to undertake writing projects, with advice and editorial assistance from the instructor, in order to discover where their talents may lie and to broaden their sense of technique and style. The course is designed for students interested primarily in prose, though some poetry will be welcomed. The student may choose to write short stories, novelettes, novels, plays or nonfiction, and the project may be continued through the fall and spring terms. Limited to twelve students. Permission.
MR. CLAGETT

ED 376 Advanced Imaginative Writing: Prose Spring
Students who have performed creditably during the first term may continue their projects during the second. New members may be admitted by special recommendation of their advisors.
MR. CLAGETT

ED 377 Advanced Imaginative Writing: Poetry Fall
A seminar course in advanced writing, in which students are encouraged to undertake writing projects, with advice and editorial assistance from the instructor, in order to discover where their talents may lie and to broaden their sense of technique and style. The course is designed for students interested primarily in poetry, though all forms of writing and experimentation will be welcomed. The class will meet once a week to discuss samples of contemporary writing and each other's work. The student will also work in conference with the instructor. Limited to ten students. Permission. MR. PACK

[ED 378 Advanced Imaginative Writing: Poetry]
Students who have performed creditably during the first term may con-

tinue their projects during the second. New members may be admitted by special recommendation of their advisors. Not offered 1969–70.

Drama

[ED 224 English Drama to 1642§]
An intensive study of the development of the forms of English drama from the *Quem Quaeritis* trope to the closing of the theaters in 1642. Representative selections from the Medieval cycle and morality plays, Tudor and Jacobean comedy and tragedy, and Carolinian drama. Secondary studies in theatrical history and social ideas of the English Renaissance.

[ED 225 The Restoration and 18th Century§]

ED 227 Greek and Roman Drama§
An intensive study of the plays of Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, Terence, and Seneca. Emphasis will be on the form of Greek and Roman drama, with secondary studies in theatrical and social history. MR. SHARP

[ED 228 French Drama§]
A survey of the forms of French drama from the beginnings to the present day. Emphasis on neo-classic tragedy and the comedies of Moliere. Plays will be studied as dramatic forms and as representatives of the era in which they were written.

[ED 249 Style: Design (Stage and Scene)]
A series of readings, discussions, exercises, and projects in which historical and contemporary approaches to mounting plays are examined. Emphasis is on stage and scenic forms as interpretive elements in production planning. Not offered 1969–70.

[ED 250 Continuation of ED 251]

ED 251 Style: Design (Costume)
The relationships of contemporary costume planning and design to: the play, period dress, design principles and the other visual production elements. ED 249, ED 250 or permission. MR. POTTER

ED 252 Style: Design (Lighting)
A study of the principles, theories and methods of stage lighting and their application to various stage forms. ED 249, ED 250 or permission.
MR. POTTER

[ED 232 German Drama§]
A historical survey of German dramatic forms from Lessing to Brecht. Emphasis on plays as dramatic structures, with secondary studies in theatrical and social history. Not offered 1969–70.

ED 235 19th Century Drama Fall
A study in moral, intellectual, and esthetic trends of late 19th century

drama. Intensive reading of selected plays and theoretical writings of Ibsen, Strindberg, and Chekhov with some consideration of Jarry, Artaud, and Brecht. MR. TEUSH

[ED 325 Modern Drama: 1870–1920 §]
A comparative study of dramatic forms developing on the Continent, in England, and the United States during the last decade of the 19th century and early in the 20th century. Not offered 1969–70.

[ED 326 Modern Drama: 1920 to the Present §]
A comparative study of recent dramatic forms of the Continent, in England, and the United States with emphasis on the influence of Strindberg, Brecht, Becket, Ionesco, Artaud, and others. Not offered 1969–70.

[ED 327 American Drama §]
A comparative study from *Metamora* to *Scuba Duba*, focusing on America's commercial, eclectic heritage with emphasis on recent attempts to discover a special American idiom. Not offered 1969–70.

ED 345 Style: Acting and Directing Fall
A seminar emphasizing acting and directing in which the theatres of Greece and Rome, of the Middle Ages, and of the Renaissance, including the Commedia Dell 'Arte will be explored in the classroom, in laboratory sessions and in workshop productions. Open only to qualified juniors and seniors. From this course, 500 projects or senior projects will be developed. Ideally, the student should have a project in mind before he enters the course. If the student does not plan to produce a 500 project or senior project, he will nonetheless be permitted to take the course and participate in the laboratory exercises. MR. SHARP

ED 346 Style: Acting and Directing Spring
A continuation of the above in which the various styles of the theatres of the 17th, 18th, 19th, and 20th centuries will be treated. ED 345 or permission. MR. SHARP

[ED 328 Tragedy and Melodrama, §]
An intensive study of genre using an approach such as that in Bentley's *The Life of the Drama* as *agent provocateur*. (To be offered in 1970–71.)

ED 329 Comedy and Farce Spring
An intensive study of genre using an approach such as that in Bentley's *The Life of the Drama* as *agent provocateur*. MR. SHARP

Production Seminars:

The department offers a Production Seminar in conjunction with each major production. Students enrolled in these seminars take part in a two or three week period of intensive study of the play and then participate in the production of the play. Each student, with the approval of the department, defines the nature of his participation: actor, stage manager, critic, literary

historian, or designer, etc. Participation may vary from playing a major role to writing an extended critical essay about the playwright.

ED 441 Production Seminar: *Waiting for Godot* Fall
MR. TEUSH

ED 442 Production Seminar: *Seven Against Thebes* Fall
MR. SHARP

ED 443 Production Seminar: To be announced Spring

ED 445 Production Seminar: To be announced Spring

CINEMA

ED 451 Film-Making Spring
An introduction to the methods and materials of film-making. An intensive study of the capabilities of the camera, the properties of film, the manipulation of light, space, form, and composition within the frame to create a meaningful image and structure a film. Limited to 16 students. Permission. Lab. fee $20.00.
MR. TEUSH

SPECIAL PROJECTS IN RESEARCH OR WRITING

The Department will consider applications from qualified Juniors and Seniors who wish to undertake special projects in literature, dramatic literature, writing, theatre arts, or film.

ED 500, 520, 540, 560 Special Projects Fall or Spring
Permission.
STAFF

FINE ARTS

Professors: R. F. REIFF, A. RICHARD TURNER (*chairman*); Assistant Professor: R. B. MUIRHEAD; Instructor: D. A. BUMBECK

In the belief that experience in both the practice and history of art constitutes the most rewarding major program, the department requires both FA 101, *Introduction to the Fine Arts* and FA 102, FA 103, *Introduction to Design*, of its beginning students. Satisfactory completion of these courses qualifies a student for the major.

A student may complete his course requirements in either of two ways:

Alternative A: six additional courses in the history of art.

Alternative B: four additional studio courses, and four additional courses in the history of art, two of which shall have as their subject matter, art before 1800.

The Senior program consists of a thesis, or creative project, and the General Examination, the former equivalent to two course units, the latter to one course unit. Normally a student will elect one course unit of Independent Work in each of the three terms of his/her senior year. Honors are not the culmination of a separate program, but are awarded to a student who does outstanding work in the regular Senior Independent Study program.

FA 101 Introduction to the Fine Arts§ Fall and Spring
An introduction to form and meaning in the arts of sculpture, architecture,

and painting. Major figures and movements of western art will be considered in lectures, while the student will be encouraged to develop his own critical sense through preceptorial discussion and short papers on original works of art. Two lectures and one discussion period. Open to freshmen and sophomores, and to upperclassmen by permission. Fall: MR. TURNER AND STAFF
Spring: MR. REIFF AND STAFF

FA 103 Introduction to Design Fall
Line, color, form, subject matter and composition are studied separately and together in projects related to picture making so as to increase the students' comprehension of the picture as an expressive, visual language. Fee $10. Limited to 30 students. (FA 104 must be passed before credit for FA 103 will be given.) MR. BUMBECK, MR. MUIRHEAD

FA 104 Introduction to Design Spring
Design in the arts with special emphasis of sculptural and architectural problems. (FA 103) Fee $10. Limited to 30 students.
MR. BUMBECK, MR. MUIRHEAD

FA 201 Art of the Italian Renaissance§ Fall
A selective survey of Italian art and architecture from 1250 to 1600, with an emphasis upon leading masters seen in their artistic, intellectual, and religious context. MR. TURNER

FA 202 Modern Painting and Sculpture§ Spring
Major artists and movements of the last one hundred years, beginning with the Impressionists and concluding with art of the 1960's. Stress will be placed on the evolution of twentieth century styles, and their relation to main currents of contemporary thought. Open to freshmen who have taken FA 101.
MR. REIFF

FA 203 The Art of India and the Near East§
An historical survey of the architecture, painting and sculpture of India from the Indus Valley Civilization to the close of the Mughal period; and of the Near East from Sumerian times until the early 16th century. Religion, philosophy, aesthetic theory, iconography, history and social conditions are considered in relation to the art. No previous knowledge of this material is presumed. Offered in alternate years. MR. REIFF

[FA 204. The Art of China and Japan§]
An historical and stylistic survey of the painting, sculpture, ceramics, jades, architecture, and bronzes of China and Japan. History, religion, artistic theories, and techniques are studied to provide students with a sufficient background. While no previous knowledge of Oriental cultures is required, FA 203 is recommended. Offered in alternate years; not offered in 1969–70.

FA 205. Figure Drawing
A studio course in the discipline of figure drawing. Working from the model, the student will make intensive study drawings concerning problems of proportion, distortion, scale, and motion. Limited to 30 students. Fee $10.
MR. BUMBECK, MR. MUIRHEAD

FA 206. Figure Drawing
A continuation of FA 205, open to those who have not had FA 205 only by permission. Fee $10. MR. BUMBECK, MR. MUIRHEAD

[FA 301 Modern Architecture§] Fall
A study of European and American architecture, its stylistic development, theory, and technical innovations from about 1780 to the present. The course will include concepts and problems of city planning. Not offered 1969–70.

FA 302 Baroque Art in Europe§ Spring
Art and patronage in Europe from 1600–1750. Such artists as Bernini, Velasquez, Rubens, Rembrandt, and Poussin will be discussed in detail, and the patronage of the French and Papal courts examined in the light of artistic theory and practice. MR. TURNER

FA 303 Northern Renaissance Art§ Fall
Northern European art from the fourteenth to the mid-sixteenth century. Problems of style and iconography will be discussed, with stress upon such figures as Claus Sluter, Jan van Eyck, Hugo van der Goes, Dürer, and Bruegel. MR. REIFF

FA 305 Art of the Nineteenth Century§ Fall
A stylistic analysis of European painting and sculpture and a study of its development from the Rococo period through Impressionism. The art of such artists as Watteau, Goya, David, Delacroix, Friedrich, Constable, Courbet, Manet, the Pre-Raphaelites, the French Academicians, the Macchiaioli, as well as such sculptors as Rodin, Rude, Medardo Rosso, and many others will be considered. MR. REIFF

FA 308 The Will to Abstraction§ Spring
An inquiry into the nature and variety of abstraction in art. After a brief consideration of twentieth century art and the art of children, the course will explore the art of the earlier Middle Ages in juxtaposition with African art. Limited to 25 students. MR. TURNER

FA 309 Painting Fall
An introductory course in the practice of painting. The first semester will be exploratory in character. The student will use various media (charcoal, pencil, ink, and paint) in order to establish a working familiarity with the forms of composition and picture-making. Fee $10. Limited to 30 students. (FA 103, FA 104 or permission.) MR. MUIRHEAD

FA 310 Painting Spring
A continuation of FA 309. Emphasis will be placed on the possibility and capacity of one medium, oil paint, to give substance to the student's sensory images of sight and touch. Limited to 30 students. (FA 103, FA 104, FA 309 or permission. Add. $10. fee.) MR. MUIRHEAD

FA 315 Printmaking Fall
Studio instruction in traditional and contemporary methods of intaglio and

relief printmaking. Critical emphasis on the union of the printmaking craft with problems of drawing, painting and design. Fee $15. Limited to 20 students. (FA 103, FA 104 or permission.) MR. BUMBECK

FA 316 Printmaking Spring
A continuation of FA 315. Same fee, size limitation and prerequisites.
MR. BUMBECK

FA 402 Seminar in Renaissance Art§ Spring
A consideration of a major figure or important moment in Renaissance art, with an emphasis on art as an aspect of cultural history. In 1969–70 the subject will be Michelangelo. Offered in alternate years. Permission.
MR. TURNER

[FA 403 Seminar in Art Criticism and Connoisseurship§]
An inquiry into the nature of style, quality in the arts, relations of art to everyday life, to morality, to religion. Readings will include Charles Baudelaire, John Ruskin, Oscar Wilde, and selected twentieth century critics. Emphasis will be upon the relevance of critical theories to the deepened understanding of original works of art. Several papers. Offered in alternate years. Not offered 1969–70.

FA 500 Advanced Studies in the Fine Arts
Supervised independent work in art history or studio. STAFF

FRENCH

Professor: *CLAUDE L. BOURCIER; Associate Professor: J. WATKINS; Assistant Professors: C. KNOX, (*acting chairman*) O. ALLEN THIHER; Instructor: GEORGE F. BERNAUER; Associates: MRS. D. WATKINS, MRS. R. THIHER, MRS. H. KNOX

The French Department aims at developing in its majors the following skills:

1. A command of the French language in its oral and written forms so that students may exchange information and ideas in French on any topic of normal concern to cultivated people and appreciate fully any piece of French writing, be it a literary text or a document of definite import in any field (arts, sciences, etc.).
2. A grasp of the essential geographical, historical, sociological and cultural factors that make an understanding of France, her people and her civilization more significant.
3. An intimate acquaintance with the major French literary personalities and their work as representatives of a typical culture within the Western World.

To achieve such aims, the following courses of study are prescribed: "Composition and Introduction to Literature" (FR 209–10), designed to improve the students' command of the language while initiating them into the basic techniques of literary criticism; "Stylistics and Literary Analysis" (FR 215–16), to give them the flair for literary expression and style; "French Civilization" (FR 411–12), to give them a systematic insight into the geographical and historical factors that made France and the French; and four semester courses in the literature of various periods.

Minimum requirements for the Major: FR 209 or 210, FR 215 or 216; FR 411–412; four units chosen from: FR 307 or 308, FR 309 or 310, FR 311, FR 312, FR 313, FR 314, FR 315, FR 316, FR 317, FR 318; 2 units of Senior Work, consisting of either: 1 unit of General Examination and 1 unit of Independent Study; or 2 units of General Examination.

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*Director of Graduate School in France 1969–71

For women: at least one year in residence at Le Château, or its equivalent (Junior Year Abroad, for example).

French Language, Culture, and Area Studies
Administered by the French Department

Required for a Major: FR 209 or 210, FR 215 or FR 216; two courses from the following FR 411, FR 412, FR 413; Independent Study and/or General Examination; also: Geography: GG 101–2; one year sequence from the following: History HI 315, HI 316 or Political Science PS 201–2; also: one year sequence from the following: Economics EC 101–2; or Political Science PS 205–6; or Sociology: SA 101–2. Cognate courses in the Humanities and the Social Sciences will be recommended.

Language

FR 101 Beginners' French Fall
Oral inductive approach aimed at mastering the patterns of simple spoken French. Reading, writing, and grammar. Intensive use of the Language Laboratory for individual exercises. Lab. fee: $10. (FR 102 must be passed before credit is given for FR 101)

FR 102 Beginners' French Spring
Oral inductive approach combined with more emphasis on the reading and writing aspects of the language. Students are asked to participate more actively. Language Laboratory still intensively used. Lab fee: $10.

FR 109 Intermediate French Fall
A course open to students who have had one year of French in secondary school, or an otherwise poor preparation in the language. Grammar review, with emphasis on reading, writing and oral understanding. (Students who wish to prepare for the Qualification Test to pass their Language degree requirement are advised to take this course. FR 109 and FR 110 may not be taken after FR 102) STAFF

FR 110 Intermediate French Spring
Composition and conversation are emphasized to prepare the students for more advanced work in the Department if they so choose. STAFF

FR 201 Syntax, Reading, Oral Practice and Writing Fall
The usual freshman course for students with two or three years of average preparation in the language. Systematic review of grammar and graduated training in pronunciation, reading of modern material, and essay writing. Introduction to French versification, and the "*explication de textes*" method. Individual practice in the Language Laboratory. Lab fee: $10.
STAFF

FR 202 Syntax, Reading, Oral Practice and Writing† Spring
Continuation of FR 201, with emphasis on reading, essay writing, discussing, and "*explication de textes.*" Lab fee: $10. STAFF

FR 209 Composition and Introduction to Literature Fall
Critical reading of modern French texts, with emphasis on the techniques of

literary criticism: plot, psychological characterization, symbolic meaning. Continuation of the "*explication de textes*" method, introduction to the literary "dissertation." (Permission) STAFF

FR 210 Composition and Introduction to Literature Spring
Continuation of FR 209, with emphasis on literary dissertation, and the study of modern poetry. FR 209 or permission) STAFF

FR 215 Stylistics and Literary Analysis Fall
A theoretical and practical approach to the problems of composition and style. The study of syntax, sentence structure, and style is pursued through the thorough analysis of selected passages from French writers (Permission)

FR 216 Stylistics and Literary Analysis Spring
Continuation of FR 215, with emphasis on composition, imitative and free. (FR 215 or permission)

[FR 301 or 302 Advanced Oral Practice, Diction and Elocution]
To develop fluency in speaking French, with all proper shades of expression. Study of verse and prose patterns, organized vocabulary development and oral composition on the basis of topics of all definitions (Permission)

Literature

All literature courses will be given with a seminar approach and within each period the emphasis will be on some authors or works at the discretion of the instructor. (FR 202 or permission)

FR 307 or FR 308 Studies in the Life and Literature of the Middle Ages §
The general spirit, the political and artistic developments of medieval France will form the background against which various literary productions of the age will be studied.

[FR 309 or FR 310 Studies in the Life and Literature of the 16th Century §]
The Age of the Renaissance and Reformation. The mood and temper of the time, its expression in the works of leading authors of the period. Emphasis on Rabelais and Montaigne. Not offered 1969–70.

FR 311 Studies in the Life and Literature of the first half of the 17th Century §
The preparation of the age of Classicism; the advent of "absolute monarchy"; the development of baroque art and literature, *romanesque* and *préciosité*, and the great authors of the period: Corneille, Descartes, Pascal.

FR 312 Studies in the Life and Literature of the second half of the 17th Century §
The age of Classicism; the political, social, and cultural implications of the "Century of Louis XIV;" the great classicists: Racine, Boileau, Molière, La Fontaine; the first rumblings of a new age.

[FR 313 Studies in the Life and Literature of the first half of the 18th Century §]
The age of Enlightenment in France; the political and social upheaval under the Regency and Louis XV; the rise of the "philosophical spirit" and the critique of the established order: Montesquieu, Voltaire, Diderot and the *Encyclopédie*. Not offered 1969–70.

[FR 314 Studies in the Life and Literature of the second half of the 18th Century §]
The origins of the French Revolution and the reign of Louis XVI; Rousseau and the pre-romantic attitudes: Chénier, Bernardin de Saint-Pierre, Beaumarchais. Not offered 1969–70.

FR 315 Studies in the Life and Literature of the first half of the 19th Century §
From the French Revolution to the Second Republic: the impact of the industrial revolution on French society; the development of French Romanticism: Chateaubriand, Lamartine, Vigny, Musset and Hugo; from Romanticism to Realism: Balzac and Stendhal.

FR 316 Studies in the Life and Literature of the second half of the 19th Century §
From the Second Empire to the Third Republic: the rise of the new, "modern" world, its artistic and literary implications: Realism, Naturalism, Symbolism and the germs of contemporary sensitivity and thought. From Baudelaire to Apollinaire.

FR 317 Studies in the Life and Literature of the 20th Century: André Malraux. § Fall
A study of one of the most important personalities of contemporary France through a detailed analysis of his life and works: essays, novels, aesthetic writings, memoirs; his political career.

FR 318 Studies in the Life and Literature of the 20th Century: Camus and Sartre. § Spring
Through selected works of these authors, the course will study two of the most important figures of contemporary France and analyze their impact on modern literature and thought.

Civilization

[FR 411 French Civilization]
The geography of France, its physical and human aspects; the development of her political, social, intellectual and artistic history, from the origins to the end of the 16th century. (FR 202 or permission) Not offered 1969–70.

[FR 412 French Civilization] Spring
The development of the French State and the French Nation from the 17th century to the present; the main features of contemporary French civilization and culture. (FR 411 or permission). Not offered 1969–70.

[**FR 413 Problems of Contemporary France**]
A seminar on the present situation in France: her political, economic, social, religious, and cultural life, and the problems facing her. (Permission) Not offered 1969–70.

FR 500 Advanced Studies in Language, Civilization and Literature Fall and Spring
Qualified undergraduates, may be permitted to undertake a special project in reading and research under the direction of some member of the Department. STAFF

GEOGRAPHY AND GEOLOGY

Geography

Professors: *J. R. ILLICK, V. H. MALMSTROM; Assistant Professor: R. A. SIMKO

Geography is concerned with the "where" and "why" of human activities. In its attempt to explain the differences which exist from place to place over the earth's surface, it collects, analyzes, and integrates data from both the physical and social sciences. It examines such physical elements as landforms, climate, soils, and vegetation and interprets them in terms of the distribution of people, their ways of making a living, and the social and political patterns they have developed. Because the interaction of man and his environment is constantly changing, geography seeks to understand how present world patterns have evolved from the past and how they might be modified further in the future.

The Department also participates in the interdisciplinary major, Environmental Studies. (See page 22)

Required for a Major: GG 101, GG 102, GG 201, GG 202, GG 301, GG 302, GG 401, and one regional course numbered from GG 311 through GG 316; Independent Study (GG 700) and the General Examination (GG 705). The Fall and Winter Terms of the Senior Program are devoted to the writing of a thesis based on independent field research and the Spring Term is spent in preparation for the General Examination.

Cognate courses for a Major in Geography range over a broad field and should be selected from other departments according to one's interest in Geography, and with the approval of the adviser. Students contemplating graduate studies and/or professional careers in city and regional planning may also avail themselves of Independent Projects in Geography (GG 500) designed to meet their special needs.

GG 101, GG 102 World Regional Geography Fall and Spring
A survey of the physical and cultural factors which influence the distribution of man and his activities on the surface of the earth. The first term is devoted to developing skills in geographic analysis which are then applied to major world regions during the second term. (GG 102 must be passed before credit for GG 101 is given and cannot precede GG 101.) (Counts as group B course.) STAFF

GG 201 Physical Geography Fall
A systematic examination of the elements of the physical environment. Landforms, climates, soils, vegetation, minerals and water resources will be studied by means of field trips, maps and photo-interpretation. 3 hrs. lect., 3 hrs. laboratory. Field Trip fee, $5. (GG 101, GG 102) STAFF

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*On leave 1969–71

GG 202 Economic Geography Spring
An analysis of the origins, nature, and distribution of man's economic activities over the world. The evolution of subsistence, commercial and planned economics will be studied in a regional context. Field trips. (GG 101, GG 102) Field Trip fee, $3. MR. MALMSTROM

GG 301 Research in Geography Fall
A course designed to provide the major in geography with systematic training in the collection, analysis, and presentation of geographic data. Observation and measurement in the field will be complemented by statistical, cartographic, and air photo interpretation in the laboratory. Field Trip fee $5. (GG 101, GG 102. Computer fee $5.) STAFF

GG 302 Cartography Spring
An introduction to the compilation, design, and construction of maps. Training is given in the techniques of preparing maps from field surveys, aerial photographs, library, and statistical sources, and in the evaluation and construction of map projections. Special attention will be given to representing the third dimension through block diagrams and models. Two hours of lecture and one laboratory a week. (Limited to 20 students) (GG 101, GG 102). STAFF

GG 311 Geography of Anglo-America Spring
A regional analysis of the United States and Canada, giving special attention to the physical, historical, and economic factors which contribute to areal differentiation. (GG 101, GG 102) STAFF

GG 312 Geography of Latin America Spring
A consideration of the individual countries of Central and South America, their resources, problems, and prospects. Special attention is given to their relations with the United States and to their significance in world affairs. (GG 101, GG 102) MR. SIMKO.

GG 313 Geography of Europe Spring
A study of the economic, social and political patterns of present-day Europe. Emphasis will be placed on the distinctive personalities of the individual countries and on their role in regional and global affairs. (GG 101, GG 102) MR. MALMSTROM

GG 314 Geography of Africa Fall
A study of the emerging nations of Africa and the special role they play in world economic and political affairs. The geographic bases of their nationhood, their problems and outlook for the future will be assessed. (GG 101, GG 102) MR. SIMKO

GG 315 Geography of the Soviet Union Fall
An intensive systematic and regional analysis of the world's largest country. The problems and potentialities of the Soviet Union will be critically evaluated in terms of the challenge it poses for world leadership. (GG 101, GG 102) MR. MALMSTROM

GG 316 Geography of Asia Fall

A systematic examination of the regions and nations of Asia (excluding the Soviet Union), with special emphasis on their problems and potentialities as they relate to world economic and political patterns. (GG 101, GG 102)

STAFF

GG 401 Political Geography Fall

The study of the state as a geographic phenomenon, with emphasis on the spatial, cultural, and economic factors that influence its emergence, growth, and relationships with other states. The present world situation will be analyzed in terms of geopolitical principles. (GG 101, GG 103)

MR. SIMKO

GG 500 Independent Projects in Geography Fall and Spring

A course arranged to fulfill the research needs of students majoring in Geography. STAFF

GG 700 Senior Independent Work Fall and Winter

GG 705 General Examination Spring

Geology

Associate Professor: *B. BALDWIN; Associate Professor: P. J. CONEY; Assistant Professors: D. W. FOLGER, R. LAURENT

The environs of Middlebury College afford an excellent introduction to the discipline of earth science, because Vermont has become a classic area for the study of the geology of mountain systems. The geology curriculum takes advantage of this setting by stressing field-oriented and laboratory-supported inquiry of problems and by relating all geologic processes and their results to the origin and evolution of global tectonic patterns.

Principles of Geology (GG 151, GG 152), which fulfills the Group C requirement, presents the terminology, processes, and materials of geology, woven in the framework of global tectonics. Each spring there is a project in analysis of a set of geologic maps and synthesis of tectonic evolution of an area such as southwestern Colorado, southern Nevada, or the Arabian Peninsula.

Four intermediate courses in mineralogy, petrology, and structural geology (GG 261, GG 262, GG 271, GG 282) present skills and concepts essential to geologic investigation. Elective advanced courses are offered in stratigraphy, geomorphology, geochemistry, and geophysics (GG 372, GG 381, GG 461, and GG 481). Independent work at the sophomore or junior level can be elected as GG 550.

Three long-term departmental research programs (detailed structural and geophysical studies of the Champlain thrust—Middlebury synclinorium—Green Mountain front; nature and origin of granites and gneisses in Vermont; and sedimentology in the Taconic sequence) are integrated in the field and laboratory work of formal courses. Moreover, each senior selects a project in one of these programs, devoting the fall semester of the Senior Program to research, and completing the thesis in the winter session. The spring semester of the 3-unit Senior Program is spent in preparation for the General Examination.

The department is initiating studies in oceanography. The department also participates in the Environmental Studies program. (see page 22)

Required for a Major: GG 151, GG 152, GG 261, GG 262, GG 271, GG 282 and two elective courses in Geology; Independent Study and the General Examination; two semester courses in Mathematics and in Chemistry and in Physics.

Students planning on graduate school and a professional career in the earth sciences

*On leave 1969–70

should take PH 103, PH 104, MA 112, and CH 301. They should attend a summer field camp in geology. A reading knowledge of German, and French or Russian, is recommended.

GG 151 Principles of Geology Fall

Geologic processes that are responsible for different types of rocks, deformation, and landscape, viewed in terms of the tectonic evolution of mountain systems. Laboratory: field mapping, description of rocks, structural analysis of topographic and geologic maps. 3 hrs. lecture, 4 hrs. lab. Field trip fee $6.

MR. CONEY

GG 152 Principles of Geology Spring

Submarine geology, the interior of the earth and the origin of the crust, in the light of geophysical data; introduction to global tectonics. Laboratory: regional synthesis and term paper, based on analysis of detailed geologic maps; field problems. (GG 151) 3 hrs. lecture, 4 hrs. lab. Field trip fee $6.

MR. CONEY

GG 261 Theoretical and Optical Mineralogy Fall

The crystalline structures and the concept of symmetry in crystallography; introduction to x-ray diffraction; crystal chemistry and phase equilibria of rock-forming minerals. Laboratory: theory of polarized light in anisotropic minerals applied to the identification of minerals in thin sections, using petrographic microscope; parallel study of minerals in hand specimens. (GG 151 or CH 101) 3 hrs. lecture, 3 hrs. laboratory. Lab. fee $6.

MR. LAURENT

GG 262 Igneous and Metamorphic Petrology Spring

The chemical and mineral composition of igneous rocks (petrochemical calculations and classifications), their structures and associations; the problem of crystallization of magmas. The metamorphic rocks, their fabric, mineral facies, and metamorphic processes. Laboratory: description of sequences of igneous rocks in thin sections and hand specimens; field problem (mapping and structural study of a small intrusive pluton). (GG 261) 3 hrs. lecture, 3 hrs. laboratory. Field trip fee $6.

MR. LAURENT

GG 271 Sedimentary Petrology and Paleontology Fall

Textures, mineralogy, and primary structures of sedimentary rocks, as a response to physical and chemical processes, and as a reflection of environment of deposition; geologic time and tectonic association; last 3 weeks on main invertebrate fossil groups. Laboratory: 3 weeks on fossils; hand specimen and thin section study of sedimentary rocks; field problems. (GG 151 and permission) 3 hrs. lecture, 3 hrs. lab. Field trip fee $6.

MR. FOLGER

GG 282 Structural Geology Spring

Geometric, kinematic, and dynamic analysis of deformational structure in sedimentary, metamorphic, and igneous terrane; introduction to rock mechanics. Laboratory: quantitative analysis and interpretation of de-

formation, as shown on topographic-geologic maps and aerial photographs; detailed mapping and interpretation of complex structure in the field. (GG 151 and permission) 3 hrs. lecture, 3 hrs. laboratory. Field trip fee $6.
MR. CONEY

[GG 372 Stratigraphic Analysis]
Geochronology, facies, correlation, and tectonic association of sedimentary rocks; case studies of selected formations; from the literature. Laboratory: field and laboratory problem in the Taconic sequence. (GG 271) 3 hrs. lecture, 3 hrs. laboratory. Field trip fee $6. (Offered alternate years.) Not offered 1969–70.

[GG 381 Geomorphology]
An analysis and interpretation of landscape, including quantitative studies of slope as developed under different controls of process, structure, climate, and stage of development. Particular attention paid to fluvial and glacial processes, and to relief that is characteristic of mountainous terrain. Laboratory: quantitative analysis and interpretation of landscape as shown on topographic-geologic maps and aerial photographs; detailed mapping of geomorphology in the field. (GG 151 or GG 201) 3 hrs. lecture, 3 hrs. laboratory. Field trip fee $6. Not offered 1969–70.

GG 461 Advanced Petrology and Geochemistry Fall
An integrated approach to the "granite problem" and associated ultrametamorphism, and thermodynamics of equilibrium reactions; study of experimental data and comparative study of classical areas. Laboratory: investigations of metamorphic and plutonic rocks of the Green Mountain region; mineral determination in x-ray diffraction and trace element analysis in x-ray spectrometry; field trips. (GG 262, MA 112, CH 104; or permission). 2 hrs. lecture, 3 hrs. laboratory, and field trips. Field trip fee $6. Offered in alternate years.
MR. LAURENT

[GG 481 Advanced Tectonics and Geophysics] Fall
Principles of tectonic analysis and regionalization; discussion of regional tectonic processes in space and time; introduction to methods and results of geophysics (seismic, gravity, magnetic) and the bearing of these results on crustal tectonic evolution. Laboratory: compilation and interpretation of regional tectonic maps; geophysical investigation of field problems. (GG 282, MA 112, MA 113, PH 103, PH 104; or permission). 1 hr. lecture, 6 hrs. laboratory. Not offered 1969–70.
MR. CONEY

GG 550 Student Research
Independent laboratory or field project at sophomore or junior level. STAFF

GG 750: Independent Study and GG 755: General Examination
In the 3-unit Senior Program, the fall and winter units are assigned to research and writing of a senior thesis on a field-oriented problem. The spring unit is assigned to preparation for the General Examination.

GERMAN

Professor: K. Sparks (*chairman*); Associate Professor V. H. Vail; Assistant Professor: *T. Huber; Instructor: Miss B. R. Driver; Assistant: Miss M. Sutter, Miss Streier.

Departmental students are required to take all of the eight courses which presently constitute the Major in German Literature. Since all higher courses will be conducted in German, completion of GN 202 or its equivalent is prerequisite to acceptance into the department. In their junior and senior years qualified students may undertake approved independent research.

GN 101, GN 102 Beginners' German Fall and Spring

The course consists of three lectures, three drills and a laboratory hour.

Lectures. All grammatical explanations are given during the lecture hours. The lectures also pre-drill the student, which is to say, the student is guided through the exercises that he is to prepare for the following day's drill.

Drills. Drilling is done in groups of approximately ten students. Since they have been guided through the exercises in lecture, students are expected to display absolute and automatic control of drill assignments. Lab. fee $10 per semester. Mr. Vail, Mr. Sparks and Staff

GN 201 Intermediate German Fall

The course meets three hours a week in sections of approximately ten students. It begins with a comprehensive grammar review; this is followed by a phase in which literary texts are used as the basis of further language instruction and for the acceleration of reading speed. In the final phase of the course, progress in the language is supplemented by guided essay writing and textual interpretation. Lab fee $10. Staff

GN 202 Advanced German† Spring

The course meets three times a week in sections of approximately ten students. Modern German texts will be read and interpreted, and the student will be introduced to the methods of literary analysis. The course will further increase the student's fluency in spoken German and his facility in reading. Additionally, the student will be trained in the writing of interpretive essays. Staff

[GN 301 Modern German Literature§]

The course will examine the development of German Literature since Naturalism, focusing on works by Hauptmann, Mann, Hofmannsthal, Kafka, Brecht and others. Considerable attention will also be devoted to representative post-war writers. Offered in alternate years; not offered 1969–70.

[GN 305 The German Novelle§]

This course will follow one genre, the *Novelle*, as it evolves through a century and a half of German writing. The aim of the course is to acquaint the student not only with the development of a form, but with the companion development of the critical concepts which serve it. Readings will range from Goethe to Kafka. Offered in alternate years; not offered 1969–70.

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*Director of Graduate School in Germany.

GN 306 The German Novelle§ Fall
Interpretations of *Novellen* by Mann, Kafka and Böll. Each author will be represented by several works. The aim of the course is to trace the development of the genre with the work of individual authors. Offered in alternate years.
MR. SPARKS

GN 310 German Lyric Poetry§ Spring
Like the course in the *Novelle*, this course directs the student's attention to the evolution of a single genre through several "schools" and periods. Readings will cover major poets from the eighteenth century to the present. Offered in alternate years.
STAFF

[GN 401 The Eighteenth Century§]
From Late Baroque up to and including *Sturm und Drang*. In addition to dealing with selected literary works of the early and mid-eighteenth century as objects interesting in themselves, the course will study these works as background for Goethe and Schiller, whose early works will be represented. Offered in alternate years. Not offered 1969–70.

[GN 402 The Age of Goethe and Schiller§]
A representative selection of Goethe's early and mature works will provide the frame of the course. The student will be given insight into the artistic development of a single great figure. Readings will include an early and a late novel of Goethe's, lyrics from throughout his career and several plays. one of which will be *Faust I*. A selection of Schiller's poems, essays and plays will be used to counterpoint Goethe's development and his interests. Offered in alternate years. Not offered 1969–70.

[GN 406 Romanticism§]
This course will provide the student with the techniques for examining a period in depth. The emphasis will be on narrative forms, but some primary criticism (e.g. Novalis and the Schlegels) will be read as well. The course will give the student a basis from which to understand romantic themes and forms as they are carried forward into the twentieth century. Readings will include works by Wackenroder, Tieck, Novalis, the Schlegels, Eichendorff, Brentano, von Arnim, and E.T.A. Hoffmann. Offered in alternate years. Not offered 1969–70.

[GN 410 Seminar in German Drama§]
The theme of this seminar will be the development of social and political criticism in the German theater. Readings will include tragedies, comedies and satires and will range from Büchner's *Woyzeck* to Brecht's *Mahagonny*. Offered in alternate years. Not offered 1969–70.

GN 414, GN 415 Seminar: The German Novel§ Fall and Spring
The theme of this seminar is the development of the novel from Goethe forward. Readings will include novels by Goethe, Keller, Mann, Kafka, Grass and Böll. Offered in alternate years.

HISTORY

Professors: W. B. Catton, *P. E. Tillinghast (*chairman*); Associate Professor: N. B. Clifford; Assistant Professors: A. J. Knoll, M. E. Lamberti; Instructors: J. S. Freidin, T. B. Jacobs, C. C. Murray

The History major combines an introduction to several areas of historical knowledge and extensive study in two of these areas with intensive training and practical work in historical research. All History majors are required to take HI 103–4 (or its equivalent), and four other semesters from among the courses below the 400 level. In their junior year, they take a pro-seminar in fall and HI 425 and HI 435 in spring. These constitute the Junior Qualifying Program. All senior majors write a thesis for their independent study project, for which they begin research in junior year, and which is due the following February. During their last term they take HI 705 to prepare for the Comprehensive Examination.

Required for all History majors: HI 103–4 (or its equivalent); four semesters of other lecture-courses in History; a pro-seminar; HI 425 and HI 435; the senior thesis; and preparation for the Comprehensive.

The cognate fields most usually recommended are: foreign languages, Economics, Political Science, Geography, and English and American Literature. Religion: RE 206, (History of Christianity) will be counted as a History Course for those who wish to do so.

HI 103 European Civilization Fall

The development of European ideas and institutions in the later Middle Ages, Renaissance and Reformation; the first impacts of Europe on the rest of the world; baroque statesmanship and the beginnings of the Enlightenment. (Primarily for freshmen and sophomores; juniors and seniors admitted by permission only.) Staff

HI 104 European Civilization Spring

Continuation of HI 103. From the 18th century to the present.

[HI 105 Ancient History] Staff

The Near East and Greece to the rise of Macedonia. Not offered 1969–70.

HI 106 Ancient History Spring

Continuation of HI 105 The Hellenistic Near East and Rome.

Miss Heibges

HI 203 American History 1607–1877

HI 203 is organized on the assumption that most students will have previously done work in American History and have a knowledge of the basic narrative material of this field of study. Accordingly, lectures and reading will stress interpretations and will be topical in nature. HI 203 is the normal introduction to further work in American history. The first semester analyzes the development of distinctive American institutions through the Civil War. The lectures, readings and discussions emphasize the political and economic structure of the nation. Mr. Catton and Staff

HI 204 American History 1865–1960

Continues the approach of HI 203. This course emphasizes the responses to the crisis of industrialization, the changing relationship between government

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*On leave, Winter and Spring terms, 1969–70.

and the economy, social and intellectual developments and the emergence of the United States as a major world power. MR. CATTON and STAFF

HI 205 The Middle East and Africa—an historical study Fall
Special problems connected with the study of traditional African society south of the Sahara, the genesis and diffusion of Islamic and western culture over the Sahara. MR. KNOLL

HI 206 The Middle East and Africa—an historical study Spring
Continuation of HI 205. Traces the rise of European influence in the Middle East and Africa, with particular emphasis on the colonial period in tropical Africa. Special attention is also given to the decolonization process and to the problems of nation-building. MR. KNOLL

HI 207 East Asia to 1800 Fall
Surveys the development of China and Japan from their beginnings until the eve of the impact of western Imperialism. The focus will be on the development of traditional social and political institutions, and on their intellectual background. MR. CLIFFORD

HI 208 East Asia since 1800 Spring
Continuation of HI 207, stressing the process of change following increased contact with the West, the challenges to traditional society, and the Asian responses. MR. CLIFFORD

HI 301 Economic History of the United States Fall
An analysis of American economic development from the 17th century to 1860, with frequent attention to European influences and emphasis on the relationship between economic activity and social, political and intellectual History. (HI 203–4 or permission.) (Given in alternate years.)
MR. CATTON

HI 302 Economic History of the United States Spring
A study of industrial development and its consequences from the Civil War to the present. (HI 301 or permission.) (Given in alternate years.)
MR. CATTON

HI 303 American Intellectual History to 1865 Fall
Extensive reading in primary and some secondary material dealing with major currents in American thought. Lectures and class discussions are aimed at defining beliefs and interpretations. Topics include Puritanism, The American Enlightenment, 19th century democratic thought, reformers and their critics, and pro-and anti-slavery writers. MR. MURRAY

HI 304 American Intellectual History since 1865 Spring
The impact of industrialism and science on American thought and values. Topics include conservatism, Social Darwinianism, naturalism, pragmatism, religious modernism, internationalism, social scientists and reform thought, the idea of mass culture, the problem of loyalty, and the role of intellectuals in a democratic state. MR. MURRAY

HI 305 Twentieth-Century America Fall
A study of the political and social forces in America, concentrating on the Progressive Era, the First World War, the 1920's, the Great Depression, and the New Deal. MR. JACOBS

HI 306 Twentieth-Century America Spring
A study of the political and social forces in America, concentrating on the road to World War II, the War, the Cold War, and post-war America from Truman's Fair Deal to the New Frontier and the Great Society.
MR. JACOBS

HI 307 Blacks and Immigrants: Race and Nationality in U.S. History Fall
A brief study of American immigrant history followed by a detailed survey of the history of black people here. Concurrently, to compare and contrast the experiences of blacks with those of other racial and ethnic groups, each student will select one group and study its history in detail. Reports and discussion will aim at appraising the significance of such factors as the size of the group, the nature of its cultural heritage and degree of retention here, occupations entered, degree of economic success and political solidarity attained, the nature of its interaction with other groups, and the extent to discrimination encountered. (Limit 30.) MR. MURRAY

HI 311 Medieval History Fall
Western Europe from 1000 to 1300. The development of feudalism, the growth of the papacy as an administrative institution, and the consolidation of the first national monarchies. MR. TILLINGHAST

[HI 312 The Renaissance and Reformation]
Western Europe from 1300 to 1600. Political and social changes in the north, the growth of humanism in the south, the religious revolts and the Catholic Reformation. Offered in alternate years. Not offered 1969–70.

HI 315 History of Modern Europe, 1815–90 Fall
An analysis of political institutions, social and economic changes, religious and intellectual developments, and international relations. Students are encouraged to concentrate in a special area or country. Lectures are interpretive. Reading assignments include the finest interpretive studies on European history. MISS LAMBERTI

HI 316 History of Modern Europe, 1890–1950
Continues the approach of HI 315. Special attention to the rise and nature of modern totalitarianism. (HI 315 or permission.) MISS LAMBERTI

HI 317 English History, 1485–1760 Fall
Tudor, Stuart and early Hanoverian England: frequent variations on a limited set of themes in a basically stable society. MR. TILLINGHAST

HI 318 British History Since 1750 Spring
A survey of the period since the Industrial Revolution. The focus will be on

social and intellectual change, and on the growth of reform movements to meet those changes. MR. CLIFFORD

[HI 319 Intellectual History of Europe]

[HI 320 Intellectual History of Europe]

[HI 323 Philosophy of History]

[HI 324 Philosophy of History]
An investigation of the two basic trends on the philosophy of history: critical and speculative. Readings from Eliade, Hegel and Toynbee will approach the problem of "the meaning of history." Contemporary readings from various authors will analyze the nature of historical knowledge in its relation to the natural sciences. Offered in alternate years; Not offered 1969–70.

HI 401–20 Pro-Seminars Fall
The purpose of the pro-seminars is to teach students how to put together a research paper. About the first four weeks are spent in covering the area of the course in class, and the reading stresses bibliography. During the rest of the course students write a long paper using class time to report their progress. Research topics are chosen to improve the knowledge of the whole class in the subject area. Required of majors in their junior year, and open to others by permission. STAFF

HI 405 America and the Second World War
A study of the domestic and foreign policies of the Roosevelt Administration during the years 1939–1945.

HI 407 History of American Education
Reading emphasizes developments in schools and colleges during the 19th century and parts of the late 18th and early 20th centuries. Students may write either on informal educational influences such as those of the family, mass media, and other social institutions, or on formal education. (This course will also receive credit for Teacher Education.)

HI 411 German History, 1918–39
A careful study of the domestic and foreign politics of the Weimar Republic, the intellectual origins of National Socialism and the rise of the Nazi dictatorship.

HI 415 The Age of Imperialism
The diplomatic, administrative, and economic foundations and development of 19th and 20th century imperialism. The stress will be on Africa, but students who wish to work in other areas will be encouraged to do so.

HI 424 and 425 The Literature of History Fall and Spring
Extensive directed reading in the field of the student's choice designed to give him a thorough grounding in the secondary literature and major interpretive problems of a particular area of history. The course will be divided into four sections: American, European, Asian and African history.

The sections dealing with Modern Europe and with Asia (HI 424) will be offered in fall; those dealing with the United States and Africa (HI 425) in spring. (Required of junior majors; open to others by permission.) STAFF

HI 435 Historical Writing and Research Spring
During the first five weeks students will re-write their pro-seminar papers. For the last eight weeks they will do preliminary research on the background of their senior thesis. There will be an examination at the end on the period of the thesis. STAFF

HI 500 Fall and Spring
Special research projects. (Permission only) STAFF

HI 700 Independent Study, Thesis and Comprehensive
Seniors register in fall and winter terms for HI 700, which will constitute work on their thesis; and in spring for HI 705, which will constitute preparation for their comprehensive examination.

HI 705 General Examination

MATHEMATICS

Professors: D. H. BALLOU, P. W. CARRUTH; Associate Professors: R. R. BIELLI, B. B. PETERSON (*chairman*); Assistant Professor: P. K. HOOPER.

The Major includes work in analysis through advanced calculus, a year of modern algebra, plus work in several elective fields. Probability and statistics, topology and geometry, real and complex analysis, number theory and advanced algebra and an introduction to digital computers are available to all majors. Each major will make a careful choice of electives with the help of his advisor in order best to fulfil his particular mathematical needs.

Advanced placement is offered freshmen whose secondary training indicates they can successfully take the sophomore course.

Seniors must register for General Examination.

Required for the Major: MA 112, MA 113, MA 201, MA 202, MA 301, MA 302, MA 401, MA 402, three electives in the Department and the General Examination. Physics is recommended and, under special circumstances, certain courses in other departments may serve in lieu of one or two of the required departmental electives.

MA 101 Introduction to Finite Mathematics Fall and Spring
Selected topics from areas of finite mathematics; designed for students who have had only three years of secondary school mathematics. Elements of mathematical logic and of the theory of sets; partitions, binomial coefficients; introduction to probability theory, conditional probability; matrices, solution of linear equations. STAFF

MA 109 Introduction to Modern Mathematics Fall and Spring
An introduction to the content, method, and form of mathematics requiring no special background. Topics covered will be chosen by the instructor to illustrate the nature of mathematical reasoning and thought. Extensions of mathematics into new areas (e.g. plane vs. higher dimensional geometry, the theory of numbers), the role of conjecture and proof, solvability. Recent

developments will be discussed where possible and topics will be approached through direct involvement in elementary research problems. (No prerequisite.) (This course will also receive credit for Teacher Education)
STAFF

MA 112 Mathematical Analysis-I Fall and Spring
Introductory analytic geometry and calculus; designed for students with four years of secondary school mathematics. The differential calculus of algebraic functions and applications; the indefinite and definite integral, area under a curve. STAFF

MA 113 Mathematical Analysis-II Fall and Spring
A continuation of MA 112; may be elected by freshmen who have had an introduction to analytic geometry and calculus in secondary school. Applications of integration to volumes of revolution, length of arc, surface of revolution, pressure, and work; the calculus of the elementary transcendental functions; hyperbolic functions; polar coordinates; determinants. (MA 112 or permission) STAFF

MA 201 Mathematical Analysis-III Fall and Spring
The calculus of functions of more than one variable. Introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration and applications. (MA 113 or permission)
MR. BALLOU

MA 202 Mathematical Analysis-IV Fall and Spring
Infinite series and an introduction to ordinary differential equations. Convergence of numerical series; Maclaurin and Taylor series; first and second order differential equations, linear differential equations with constant coefficients, applications. (MA 113 or MA 201) MR. BALLOU

MA 301 Linear Algebra Fall
Topics from modern linear algebra including the algebra of matrices, determinants, rank and equivalence of matrices, linear dependence, systems of linear equations, vector spaces and linear transformations, characteristic values and vectors, orthogonal systems, canonical forms, dual spaces. (MA 113) MR. CARRUTH

MA 302 Abstract Algebra I Spring
An introduction to the study of groups, rings, and fields. Algebraic structure; transformations and permutations, cosets and quotient groups; ideals, quotient rings; field characteristics. (MA 202 or permission)
MR. PETERSON

[MA 303 Abstract Algebra II] Fall
Fields and field extensions. Galois theory. Finite fields. Valuation theory and an introduction to algebraic number theory. Chain conditions and Noetherian rings. (MA 302) Not offered 1969-70. MR. CARRUTH

[MA 310 Probability] Fall
An introduction to the concepts of probability, mostly in finite sample

spaces. Discrete probability distributions; independent events, conditional probability, Bayes' Theorem; expectation, variance, covariance and correlation; joint probability distributions; Chebyshev's Theorem; Bernoulli trials; applications. (MA 112) Not offered 1969–70. STAFF

[MA 311 Statistics] Spring
An introduction to the mathematical concepts and methods used in the statistical analysis of data, mostly with continuous random variables. Moments; convolutions and convolution integrals; functions of random variables; sampling distributions (chi square, F and t distributions); properties of estimators; confidence intervals; tests of hypotheses, Neyman-Pearson lemma, method of maximum likelihood; regression and correlation; applications. (MA 113 and MA 310) Not offered 1969–70. STAFF

MA 321 Elementary Number Theory Spring
Divisibility and primeness. Number congruences, the theorems of Lagrange, Fermat and Euler, residue theory, quadratic reciprocity. Diophantine equations. The distribution of primes, density and the Prime Number Theorem. (MA 113) (Offered in alternate years.) STAFF

MA 331 Introduction to Digital Computers Fall
An introduction to digital computers and computer languages. The organization of electronic digital computers; programming in FORTRAN and assembler languages; applications in numerical analysis. Fee $20. (MA 113 and permission. Limited to 20 students) MR. BALLOU

MA 401 and MA 402 Advanced Calculus Fall and Spring
Further topics in the calculus and real analysis. Fundamental concepts of real function theory, divergence and curl, line integrals, Green's theorem, the Stieltjes integral, infinite series, power series, Fourier series, improper integrals. (MA 202) STAFF

MA 411 Elementary Topology Spring
An introduction to the concepts of topology. Theory of sets, topology of the real line, continuous functions and homeomorphisms, compactness, connectedness, metric and function spaces, selected topics from the topology of Euclidean space. (MA 201 or permission) (Offered in alternate years.) MR. HOOPER

MA 421 Modern Geometry Fall
The axiomatic foundations of geometry. Topics from Euclidean and affine geometries. Desarguesian configurations and projective geometry. The classical synthetic non-Euclidean geometries. (MA 113 or permission) (Offered in alternate years.) MR. PETERSON

[MA 431 Complex Analysis] Spring
An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions, Cauchy-Integral Theorem, and related topics. (MA 202 or permission) Not offered 1969–70. MR. BIELLI

MA 432 Real Analysis Fall

Metric spaces. Euclidean spaces. Algebra of complex functions including Stone's generalization of the Weierstrass Approximation Theorem. Lebesgue Integrals and Measures. (MA 402) (Offered in alternate years.)

MR. BIELLI

MA 500 Advanced Study Fall and Spring

Individual study for qualified students in more advanced topics in algebra, number theory, real or complex analysis, topology. Particularly adapted for those who enter with advanced standing. (Permission) STAFF

MA 705 General Examination Spring

The required General Examination covers all required courses and is the culmination of four years work. STAFF

MILITARY SCIENCE

Professor: LT. COL. J. C. HEFTI; Assistant Professors: MAJ. H. E. KOENIGSBAUER, JR., MAJ. W. M. MATZ, JR., CAPT. L. L. SPOHN, CAPT. A. R. VILLASEÑOR; Assistants: SGM. T. G. HARPER, SSG. H. L. CARPENTER, SSG. R. L. CUMMINS, CIV. O. P. BROUGHTON, JR.

The objective of a senior ROTC unit, organized under the provisions of the National Defense Act of 1916 and amendments thereto, is to qualify students for a commission in the Regular Army and the Army Reserve in assigned branches of the Army: A two-year basic course is offered to freshmen. A two-year advanced course is offered to juniors who either successfully complete the basic course, served on active duty in the Armed Forces for one year, or successfully complete a six-week basic summer camp prior to their junior year of college.

The Basic Course

A two-year basic course is available to all male students who voluntarily enroll in the freshman year. Draft deferments are provided members of the basic course.

a. Veterans

(1) A student who has served on active duty in the Armed Forces for six months will be excused from the Freshman Basic Course.

(2) A student who has served on active duty in the Armed Forces for one year will be excused from the Basic Course as a prerequisite for the Advanced Course.

b. Former ROTC students

(1) A student who has successfully completed three or more years of the Junior ROTC program at an accredited ROTC institution will be admitted to the Sophomore Basic Course upon presentation of a military training certificate from that institution.

(2) A student who has successfully completed the first year of the ROTC Basic Course at another accredited ROTC institution will be admitted to the Sophomore Basic Course.

During the Freshman year the course meets three periods each week during the fall semester and one period each week during the spring semester, During the Sophomore year the course meets three periods each week during the fall and spring semesters. Uniforms, books, arms and equipment are furnished by Department of the Army at no cost to the student.

MS 11 and MS 12 Freshman Basic (Military Science 1) Fall semester. The United States Defense Establishment (two hours) and Leadership Laboratory (one hour). Spring semester. Leadership Laboratory (one hour). One semester credit of ROTC for appropriate academic subject (any required subject in the student's normal academic curriculum subject to approval by the Professor of Military Science).

MS 21 and MS 22 Sophomore Basic (Military Science II) Fall semester. Introduction to Tactics and Operations (two hours). Spring semester. American Military History (two hours). Leadership Laboratory (one hour) fall and spring semesters.

The Advanced Course

This is an elective two-year course and carries full academic credit. Semesters must be successfully completed before credits are awarded except for special cases which will be ruled on by proper college officials. Members of the advanced course are selected by the President of the College and the Professor of Military Science (PMS) from the students in the sophomore class who either successfully complete the basic course, or a six-week basic summer camp prior to their junior year of college. Draft deferment will be authorized for those who qualify.

Students enrolled in this course will receive a retainer allowance of $50 per month. Advanced Course students wear a regulation Army Officer uniform which is retained by the student upon his graduation. The Government pays $149.00 toward the cost of the uniform and any remaining amount is paid by the student.

Attendance at one summer camp of six weeks duration is mandatory. During such attendance the student is paid $120.60 per month. Mileage rate is paid from home to camp and return. Students will attend camp between the junior and senior academic years, but deferment from the junior to the senior year may be made, for a cogent reason, when approved by the Professor of Military Science.

The Department participates in the ROTC Flight Program. This program is available to selected cadets in their senior year at no cost to the student. The student is given thirty-five hours of ground school and thirty-eight hours of flight instruction. Successful completion of this program qualifies the individual for a Federal Aviation Agency Private Pilot's License.

On successful completion of the Advanced Course, the student is commissioned as a Second Lieutenant, U. S. Army Reserve. Outstanding military students are eligible for a direct commission in the Regular Army upon graduation. Graduates then report to active duty within the first

twelve months following their commissioning; however, those who desire to attend graduate school may be deferred from active duty for the duration of their graduate study. The ROTC student is given a general military science course which does not emphasize any one branch or service. Prior to commissioning, assignment to a branch will be made based upon the needs of the Army and the individual's desires and capabilities. Training is directed primarily toward a commission in one of the combat arms—Infantry, Air Defense, Artillery, Armor, Signal Corps, or Engineer Corps. Students whose academic program has particularly qualified them may be offered a commission in one of the technical service branches—Chemical Corps, Ordnance, Finance, and others.

Students who enroll in the Advanced Course must agree to complete ROTC training, unless circumstances beyond their control make it impossible to do so. All academic requirements for their degree must be completed prior to commissioning. Students must agree to accept a commission, if it is offered, and to serve on active duty in the Army for a period of two years.

MS 301 and 302 First Year Advanced Course (Military Science III) Leadership and Management I; Fundamentals and Dynamics of the Military Team I. Fall semester: one hour of class plus appropriate academic subject. Spring semester: four hours of class. One hour Leadership Laboratory each semester.

MS 401 and MS 402 Second Year Advanced Course (Military Science IV) Leadership and Management II; Fundamentals and Dynamics of the Military Team II. Fall semester: four hours of class. Spring semester: one hour of class plus appropriate academic subject. One hour Leadership Laboratory each semester.

MUSIC

Assistant Professors: E. Fanning, G. B. Todd, (third member to be announced.)

The offerings of the Music Department focus on three areas of the discipline: 1) The vocabulary and theory of music, 2) its historical development, 3) its creative aspects—performance and composition.

The relative emphasis on any of these three will vary for the individual music major according to his talents, interests and needs. Independent study consists of advanced work in one or more of these areas as determined by the department in consultation with the student.

It is generally assumed that the major will take MU 101 (Materials of Music) MU 105, MU 106 (History of Musical Style) MU 209, MU 210 (Theory) and MU 404, MU 405 (Performance Seminar), some form of applied music, and two other departmental offerings.

Any of these requirements may be waived or changed if the department feels the best interests of the student are served.

MU 101 Materials of Music Fall and Spring

An introduction to the fundamentals of music, its notation and vocabulary. The course is designed to establish an understanding of such terms as harmony, counterpoint, rhythm, dynamics, and form through the study of numerous works in the literature. MU 101 takes as its primary focus the

problems of intelligent listening. One semester course given each semester. Two lectures weekly. Fee $7. MR. TODD

MU 105 Music Survey: A History of Musical Style Fall
A study of music history and literature from Gregorian Chant through Beethoven with emphasis on required listening of twenty representative works from J.S. Bach through Beethoven. Listeners' equipment includes basic theory, and the understanding of the various forms of each period as applied to the work studied. Fee $7. STAFF

MU 106 Music Survey: A History of Musical Style Spring
A study of music history and literature from Schubert through twentieth century composers and techniques with emphasis on required listening of twenty representative works from Schubert through present day composers. Fee $7. STAFF

MU 209 Theory Fall
The study of constructing music. Basic compositional procedures are studied using works from the literature as models. Problems in harmony, counterpoint, rhythm, orchestration and analysis. Fee $7. MR. FANNING

MU 210 Theory Spring
Continuation of MU 209. Fee $7. MR. FANNING

[**MU 313 Opera**]
Through the examination of selected works in the operatic literature. The opera course will focus on understanding the problems of music with drama. Not offered 1969–70.

[**MU 314 Opera**] Not offered 1969–70.

[**MU 315 Music of the Middle Ages**]
A study of the music literature in western civilization from the beginning of the Christian era to ca. 1450. Comparative analysis of style and form. Permission of instructor. Fee $7. Not offered 1969–70.

[**MU 316 Music of the Renaissance**]
A study of the music literature from ca. 1450 to 1600. Specific works of Ockeghem, Josquin, Willaert, Lassus, etc., are used as focal points for the development of style. (Permission of instructor) Not offered 1979–70.

MU 401 Music of the Baroque Era Fall
A study of the late Renaissance developments that lead to the emergence of Baroque styles; analysis of these styles to the time of J. S. Bach. By permission of instructor. Fee $7. STAFF

MU 402 Music of the Baroque Era Spring
The culmination of Baroque styles as seen in the works of J. S. Bach and his contemporaries. Analysis of representative instrumental and vocal works of the period. Permission of instructor. Fee $7. STAFF

MU 404 Mozart Spring
A seminar focusing on the works of Mozart with particular emphasis on his role as a composer of operas. Permission of instructor. Fee $7. MR. TODD

MU 406 Performance Seminar Fall
A course dealing with music performance; performance practices, stylistic considerations, interpretation implied by notation and historical context; articles or books by Frescobaldi, Couperin, Quantz, Telemann, C.P.E. Bach, Dolmetsch, Tovey, Dart, etc. By permission of instructor.
MR. FANNING and STAFF

MU 407 Performance Seminar Spring
Continuation of MU 405. By permission of instructor. MR. FANNING, STAFF

MU 408 Contemporary Music Fall and Spring
A study of recent musical trends and their historical precedents. MU 101 recommended. Study in contemporary readings, scores and recordings.
MR. TODD

MU 500 Research and Special Work Fall and Spring

APPLIED MUSIC

The aim of this Department is to present music for its value as literature and as a record of one aspect of human achievement, not as professional training. We strongly encourage students to improve performing techniques as a necessary means of cultivating the art. The College will assist the student as far as possible in securing adequate instruction when not provided by the regular staff.

Students who wish private instruction in piano, organ, harpsichord, voice, violin, viola, violoncello should enroll with the Chairman of the Department.

Fees are to be paid to the Cashier's office at the beginning of each semester. No rebate is allowed for lessons missed except in the case of continued illness. Students may be accepted for less than a full semester, in which case fees will be prorated.

M-1 Private Instruction in Piano MR. FANNING
1 lesson weekly, use of piano 1 hour daily. Fee $105 per semester.

M-2 Private Instruction in Voice STAFF
1 lesson weekly. Fee $105 per semester.

M-3 Private Instruction in Organ MR. FANNING
1 lesson weekly; use of organ 1 hour daily. Fee $105 per semester.

M-4 Private Instruction in Violin and Viola STAFF
1 lesson weekly. Fee $90 per semester.

M-5 Private Instruction in Harpsichord MR. TODD
1 lesson weekly, use of harpsichord 1 hour daily. Fee $105 per semester.

Music Library. The Christian A. Johnson music library contains several thousand records, scores, books, and a collection of chamber music. Listening facilities in the library are available to anyone from the college community.

Practice Facilities. Practice rooms are available for individual and group rehearsal. Application should be made to the secretary of the music department.

College Orchestra. Weekly rehearsals leading to the performance of music from all periods. Performance by small ensembles is encouraged. All instrumentalists are urged to audition. Apply to secretary of music department. Exceptional players may audition for the Vermont State Symphony Orchestra.

College Choir
The College Choir sings at Chapel Services and special concerts on and off campus. In keeping with the educational intent of the choral program, repertoire for all performing groups is as historically inclusive and demanding as possible. Performance in languages other than English is stressed. Audition required; open to all students without prerequisite. MR. FANNING

Recitals
Regularly scheduled recitals and lectures are open to the public.

PHILOSOPHY

Professor: J. T. ANDREWS (*chairman*); Visiting Professor: P. DIETRICHSON; Associate Professors: L. C. BIGELOW, G. D. O'BRIEN; Assistant Professor: E. D. SAPADIN

The basic course for the Major Program in Philosophy is PA 205 and PA 206, which is a survey of dominant philosophical ideas and their development in the western world, from the time of the early Greeks to the 20th Century. This course should be taken in the sophomore year; a satisfactory grade in it will constitute qualification for acceptance as a major in the department. Other course requirements for the major are: PA 203 (Introduction to Logic), PA 303 (Ethics), PA 315, (20th Century Philosophy), PA 316, (Analytic Philosophy), and Independent Study. To complete the Major in Philosophy a total of eight courses (including Independent Study) is required as a minimum. Students may find it to their advantage to elect one or two courses above the minimum in order to be better prepared for their general examinations.

The General Examination is both written and oral. The written examination consists of two parts. The first part is historical and it is required of all students. Moreover, each student must be specially prepared to deal with two important philosophers, one from the ancient period and one from the modern. In the ancient period the choice is between Plato and Aristotle. In the modern period the choice is from: Descartes, Locke, Hume, and Kant. Students make their choices individually. The second part of the examination is systematic. Each student may choose any two of the following topics: Metaphysics and Theory of Knowledge, Ethics, Logic.

Required for the Major: PA 203, PA 205, PA 206, PA 303, PA 315, PA 316; Independent Study.

PA 101 Introduction to Philosophy § Fall
An introduction to the problems of ethics, dealing with such basic notions as "good," "right," "obligation," "responsibility," and "validity of moral judgments." Selected readings from the moral philosophers. The course meets in small sections. (Limited to freshmen or permission) STAFF

PA 102 Introduction to Philosophy § Spring
A general systematic introduction to problems in metaphysics and theory of knowledge, dealing with such questions as the nature of reality, knowledge and meaning. Selected readings from the philosophical literature. STAFF

PA 203 Logic Fall
Introduction to the principles of valid inference, deductive and inductive. Topics dealt with are: logical functions of language, definition, syllogistic reasoning, truth-functional arguments, and the elements of scientific method.
MR. ANDREWS

[**PA 204 History of Science** §]
Offered in alternate years: Not offered 1969–70.

PA 205 History of Western Philosophy (Ancient) § Fall
Main themes of philosophic thought from the beginning through the Hellenistic period. Concentration on principal figures and on critical discussion of the ideas involved, with an eye to their relevance to modern questions. Authors read: Pre-Socratics, Plato, Aristotle, Lucretius. (Two lectures, one discussion section per week) MR. SAPADIN, MR. BIGELOW

PA 206 History of Western Philosophy (Modern) § Spring
Development of philosophic thought from the medieval period to the 20th century. Principal emphasis on theory of knowledge and metaphysics and their connections with developments in science. Among the authors read: Bacon, Descartes, Locke, Berkeley, Hume, Kant. (Two lectures, one discussion section per week) MR. SAPADIN, MR. BIGELOW

PA 210 Philosophy of Education § Fall
An examination of the theory and practice of higher education as seen both in the systematic development of educational philosophies by Plato, Dewey, Whitehead and in actual historical examples of educational philosophies applied to certain institutional structures. (This course will also receive credit for Teacher Education) MR. O'BRIEN

PA 213 Philosophy of Religion § Fall
An investigation of the philosophical problems raised by the claims of religious belief. Extended analysis will be undertaken of the problem of God: does He exist? what does it mean to say that He exists? why is His existence a matter of concern? In addition, religion itself will be considered as a phenomena in its interrelations to science, ethics and art. MR. DIETRICHSON

PA 218 Symbolic Logic Spring
A course designed to introduce the student to the field of symbolic logic. The course will deal with the following topics: Truth Functions, Quantification Theory and Deductive Method, Relations, Descriptions and Classes. (PA 203 or permission) MR. ANDREWS

PA 301 Existentialist Philosophy § Spring
A study of major ideas in the philosophies of Kierkegaard, Heidegger and

Sartre. (Prerequisite: one term of philosophy and permission)
Mr. Dietrichson

PA 303 Ethics§ Spring
This course will center around the problem of how the individual finds norms for his activity and the question as to how such norms may be determined within a social and political framework. Readings from both classical and modern authors. Mr. Bigelow

[PA 306 Esthetics§]
A study of the philosophical problems raised by the nature and functions of art: the esthetic experience and the creative process; the work of art and the esthetic value; the appreciation of art and the problem of criticism; the relation of art to society. (One semester of Philosophy and permission. Limited to 15.) Not offered 1969–70.

PA 312 Philosophy of Science§ Spring
Principles which underlie the experimental method, the nature of hypotheses and scientific explanation, criteria by which empirical hypotheses are evaluated, scientific laws, causation, the uniformity of nature. Concrete illustrations from the sciences. Mr. Andrews

[PA 314 The Nineteenth Century§]
A study of the major philosophical trends in the nineteenth century, with particular emphasis on the rise of Classical German Idealism (Hegel or Schopenhauer) and the existentialist revolt (Kierkegaard or Nietzsche). (PA 102 or PA 206 or permission) Not offered 1969–70.

PA 315 20th Century Philosophy§ Fall
Seminar: Authors will include representatives of the Pragmatic and positivistic traditions (one year of Philosophy.) Mr. Bigelow

PA 316 Analytic Philosophy (seminar) Spring
An examination of current concepts of the mind, the self, and philosophical perplexity. Stress will be on Ryle, Wittgenstein, Austin, and Strawson. (One year of philosophy and by permission) Mr. Sapadin

PA 401 Systems of Philosophy: Aristotle Spring
The investigation of a single philosophical synthesis as exemplified in the work of a major philosopher (e.g., Plato, Aristotle, Aquinas, Hobbes, Spinoza, Hume, Kant, Wittgenstein). The content of the course will vary according to the philosopher discussed in any term. Mr. O'Brien

PA 405 Philosophy of Language (seminar) Fall
An attempt to define the notions of communication, meaning, the relation of language to thought, and the ontological commitments of discourse. (Prerequisite: two terms of philosophy and permission) Mr. Sapadin

PA 500 Special Research Fall and Spring
Staff

PHYSICAL EDUCATION (MEN)

Professors: R. W. COLMAN, J. J. KELLY (*chairman*), *W. J. NELSON; Assistant Professors: W. FORBES, E. W. MACKEY, J. J. MORRONE, JR.; Instructor: J. F. BOWER

All physically fit freshmen and sophomores are required to participate in organized activities at least two periods a week. Two years of physical education are required for graduation. No academic credit is given for PE 11, PE 12, PE 21 and PE 22.

PE 11, PE 12 Physical Training (Instruction) Fall, Winter, Spring
Instruction in rules and techniques in team and individual sports. Lacrosse, touch-football, volleyball, basketball, trampoline, swimming, badminton, soccer, tennis, golf, softball, skiing and skating. Squad members of freshman sports reporting regularly are excused from class for season. Required of freshmen. STAFF

PE 21, PE 22 Physical Training (Activity) Fall, Winter, Spring
Individual exercise. Individual sports. Weight lifting, tennis, golf, swimming, skiing, skating, badminton, bowling. Emphasis placed on carry-over sports and games. Team games in intramural athletics. Required of sophomores. STAFF

[PE 305 Safety in Physical Education]
Safety factors; schools, communities, industry, highways, physical education, recreation and sports. Liabilities, defenses, insurances. (Permission) Not offered 1969–70.

[PE 306 Minor Sports]
Fundamentals, rules and techniques of running a complete high school sports program. Schedules, officials, tournaments. (Permission) Not offered 1969–70.

PE 307 Methods and Principles
Comparison of U.S. physical education with training in other countries. Calisthenics and combative exercises. (Permission)

PE 308 Organization of Play
The world history of physical education with emphasis on the influence of athletics; youth fitness. Games of low organization. (Permission)

PHYSICAL EDUCATION (WOMEN)

Associate Professors: **MISS M. E. LICK (*chairman*), MISS J. L. TOWNE; Assistant Professor: MISS F. GULICK; Instructor: MISS J. L. DORMAN.

The Department of Physical Education for Women provides a two-year instructional program in physical education which is required of all freshmen and sophomore women. Freshmen Physical Education (PE 15, Winter Term, and PE 16) and Sophomore Physical Education (PE 25, Winter Term, and PE 26) are required for graduation but carry no academic credit. A yearly medical examination is required of each woman participating

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*On leave 1969–70.
**On leave 1969–70 Winter and Spring Terms

in departmental programs. Women provide themselves with apparel appropriate for the courses undertaken.

The physical education program is planned to promote women's competence, interest, and participation in physical activities both during and after the college years. Students will undertake courses in each of the three areas of aquatics, movement and dance, and sports and will work toward achievement of the intermediate or higher level in at least one activity in order to meet department requirements for breadth and depth in physical education courses. Having met these requirements, students will elect courses of their choosing to complete the two-year requirement. Independent and special programs are available for those students of outstanding ability who have been approved by the entire department faculty.

Instruction is given in the following activities in appropriate seasons: archery, badminton, basketball, choreography, fencing, field hockey, golf, gymnastics, horseback riding, ice skating, lacrosse, modern dance, movement education, rhythmic exercise, skiing, soccer, swimming, synchronized swimming, tennis, and American Red Cross courses in Senior Life Saving and Water Safety instruction.

PE 15, Winter Term, and PE 16 Physical Education
Fall, Winter, and Spring
Courses in aquatics, movement and dance, and sports.
Required of Freshmen STAFF

PE 25, Winter Term, and PE 26 Physical Education
Fall, Winter, and Spring
Courses in aquatics, movement and dance, and sports.
Required of Sophomores STAFF

PHYSICS

Professor: B. F. WISSLER; Associate Professor: R. K. GOULD (*chairman*); Assistant Professor: J. C. PENLEY; Instructor: P. F. WINKLER

The course offerings in the Department of Physics are designed to fill the needs of a liberal arts curriculum. The offerings are suitable for three categories of students: (1) Students who have no intention to specialize in science, but have an interest in science; (2) Students who desire a basic introduction to physics as an adjunct to a major in another science; and (3) Students who wish to major in physics, either as an end in itself, or as preparation for graduate study in physics. Students in category (3) should begin their study of physics in their freshman year with PH 109, PH 110 (General Physics). In very exceptional cases, however, entering students with excellent secondary school training may, with the permission of the chairman of the physics department, be permitted to enroll in PH 201, PH 202 (Modern Physics)

PH 101, PH 102 (Introductory Physics) is designed for students in category (1) above. It is a self-contained course which provides a broad insight into the field of physics and an understanding of how a natural scientist works. PH 101, PH 102 provides non-scientists with a background in science which is essential for liberal arts students. PH 306 (Astronomy) may also be elected by students in category (1).

PH 109, PH 110 (General Physics) and PH 201, PH 202 (Modern Physics) are designed as a four-term sequence of courses covering at an elementary level the complete spectrum of general physics from Newton to the present. These courses are essential to students in both categories (2) and (3). Students in category (2) may wish to take further physics courses according to their individual interests.

Students intending to major in physics (category (3) above) will find that the department offers a full complement of both theoretical and experimental courses. The basic core curriculum, required of all majors, includes a year each of General Physics, Modern Physics, electricity and magnetism, and one term each of mechanics, quantum mechanics, and advanced laboratory. In addition, there are five elective courses of which the students

must choose at least one. In their senior year, two terms of Independent Study culminating in the Comprehensive Examination are required of all majors.

Required for the Major: PH 109, PH 110, PH 201, PH 202, PH 301, PH 302, PH 303, PH 401, PH 404, and at least one term course from PH 304, PH 305, PH 306, PH 402, PH 405: Independent Study, Mathematics: MA 101, MA 112, MA 201, MA 202 and one elective term-course in mathematics.

PH 101, PH 102—Introductory Physics Fall and Spring

This course is designed to give an understanding of the subject matter, methods, purposes, and philosophy of physics as an example of a physical science. The complementary nature of experiment and theory in the building of a science is emphasized. Topics to be covered include force and motion, molecular theory, electrical energy, atomic physics, and several aspects of modern physics. This course will permit the student to understand better contemporary developments in physics, as well as to place such developments in historical perspective. Laboratory experiments are treated as investigations, rather than as routine technical measurements. This course is not designed for science majors. No calculus is required. Three hrs. of lecture and one three-hour laboratory—Lab. fee $5 per semester. MR. PENLEY

PH 109, PH 110—General Physics Fall and Spring

A course, including laboratory, which comprises a study of mechanics, heat, waves and oscillatory motion including optics and acoustics, electricity and magnetism, and modern physics. A sound background in algebra and geometry is supposed and Mathematics: MA 112, MA 113 or MA 201, MA 202 is suggested as a concurrent course. 3 hrs. lecture, 3 hrs. laboratory—Lab. fee, $5; Computer Fee $5. MR. GOULD

PH 201, PH 202 Modern Physics

This course is a continuation of the general physics sequence, PH 109, PH 110. After presenting a review of classical mechanics from a more advanced point of view, the course offers an introduction to several topics in contemporary physics, including the kinetic theory of matter, special relativity, quantum mechanics, electronic structure of matter, and nuclear structure. (PH 110) Three hrs. of lecture and one three-hour laboratory—Lab. fee $5 per semester. MR. WINKLER

PH 301 Electricity and Magnetism Fall

Electrostatic field; conductors; dielectric theory; simple d.c. and a.c. circuits; Thevenin's theorem; magnetic field; electro-magnetic induction; magnetic materials; Maxwell's equations. (PH 110, Mathematics: MA 201) Three hrs. of lecture and one three-hour laboratory—Lab. fee $5. MR. WISSLER

PH 302 Electromagnetic Theory Spring

Maxwell's equations; electromagnetic waves in free space and in media; reflection and refraction; wave guides; electromagnetic radiation; Lienard-Wiechert potentials; covariant formulation. (PH 301) Three hrs. of lecture. MR. WISSLER

PH 303 Intermediate Mechanics Fall

Principles of Newtonian Mechanics; vector algebra and calculus; motion

of a particle in two and three dimensions; statics and dynamics of a system of particles and of rigid bodies; moving and rotating coordinate systems; potential theory; an introduction to the mechanics of continuous media. (Physics 110, Mathematics: MA 201) Three hrs. of lecture. Computer fee $5.
STAFF

PH 304 Advanced Mechanics Spring
Kinematics and dynamics in inertial and accelerated frames; variational principles; Lagrange's equations for holonomic and non-holonomic systems; Hamilton's canonical equations; normal coordinates; angle and action variables; Hamilton-Jacobi equation. STAFF

PH 305 Physical Optics Fall
An intermediate course using the principle of superposition to study interference, diffraction, and polarization in waves. Phase and group velocity. absorption and dispersion are treated. (PH 110, Mathematics: MA 201 and permission) 3 hrs. lecture, 3 hrs. laboratory—Lab. fee $5. (Offered in alternate years.)

PH 306 Astronomy Spring
An introduction to astronomy for students with a background of college mathematics and physics. The solar system, motions of the heavenly bodies, coordinate systems and the information gathered from the analysis of light are studied. The college observatory is used for observational work. (PH 102 or PH 110) Three hrs. lecture, three hrs. laboratory. Lab fee $5. (Offered in alternate years.) MR. WISSLER

PH 401 Quantum Mechanics Fall
Operators, operator equations, Schroedinger's equation, quantized angular momentum and spin; some application to atomic and nuclear systems. (PH 202) Three hrs. of lecture. STAFF

PH 402 Advanced Modern Physics Spring
Continuation of PH 401. Topics include approximation methods of quantum mechanics, atomic scattering; application of quantum mechanics to atomic, molecular, and nuclear systems. Three hrs. of lecture. STAFF

PH 404 Advanced Laboratory Spring
This course allows the student to use the more advanced techniques and concepts of modern physics by performing several experiments selected from the areas of atomic and nuclear physics that have laid the foundation and provided the evidence for modern quantum theory. Students are required to formulate the purpose and procedure of each experiment, to analyze the results in detail, and to present their evaluations and explanations in a research report. (PH 202) Two discussion periods, two three-hour laboratories. Lab. fee $5. STAFF

PH 405 Thermodynamics - Kinetic Theory - Statistical Mechanics Fall
The first, second, and third law of thermodynamics; thermodynamic potentials; velocity distributions; transport phenomena; fluctuations;

ensembles; Liouville's theorem; Maxwell-Boltzmann, Bose-Einstein, Fermi-Dirac statistics. (PH 110 and Mathematics: MA 202) Three hrs. of lecture. (Offered in alternate years.) STAFF

POLITICAL SCIENCE

Professors: C. L. HOAG, H. E. THURBER; Assistant Professors: *R. J. LENG (*acting chairman*), P. NELSON; Instructor: M. P. DRY.

A political science major examines the theory and practice of politics from both scientific and philosophic standpoints. The major program begins with a semester study of politics in general, followed by a semester of American politics in particular. Intermediate level courses are then offered in the major fields of the discipline. Finally, the senior major participates in advanced research seminars. The Department's selected core curriculum incorporates the diverse approaches to the study of political science—philosophic, traditional, and scientific—while it is organized in terms of the recognized fields within political science. This curriculum is designed both to contribute to an undergraduate's liberal education and to prepare him for either graduate or law school.

Required for the major in Political Science: PS 101, PS 102, Senior Program, a minimum of ten Fall and Spring Semester courses including two courses in each of three of the following sub-fields: American Political Institutions, International Relations and Foreign Policy, Comparative Politics, and Political Philosophy and Behavior. Majors should also consult with their Department advisors for appropriate cognate courses.

The Senior Program:
The Senior Program consists of two Senior Research Seminars, each of which includes an advanced research project. The Research Seminars must be completed in two of the sub-fields mentioned above. The Research Seminars may be taken at any time beginning with the Spring term of the Junior year, but they must be taken during separate Fall or Spring terms. The Department recommends that students considering honors work enter a Senior Research Seminar during the Spring term of their Junior year. Two course credits are granted for the Senior Program.

Honors in Political Science: Students may become candidates for Honors at any time after the beginning of the Spring term of the Junior year and prior to the Spring term of the Senior year. Honors projects will normally be begun in the Senior Research Seminars. Prior to the beginning of the Spring term of the Senior year, the Department will determine whether research projects are progressing satisfactorily to be examined for Honors. Students will receive one course credit for Honors work.

PS 101 Introduction to Political Science Fall
A study of the classics in political science from Plato to Marx, involving an analysis of fundamental political problems and the basis of their solutions as well as a consideration of the different approaches to the study of politics. Two lectures and one discussion section per week. MR. DRY AND STAFF

PS 102 American Government Spring
An examination and analysis of the principles of liberal democracy and their embodiment in the American Constitution and an analysis of the basic issues of American politics. MR. DRY AND STAFF

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*On leave, Winter and Spring terms, 1969–70.

American Political Institutions

PS 301 State and Local Government Fall
Institutional structure and political process at the state and local level. Contemporary issues and problems facing state and local government in the American political system. MR. THURBER

PS 303 Administration and Policy Development Spring
Administrative officials and the determination of public policy with emphasis on the problem of securing responsible government through Congressional supervision, judicial review, and Presidential control. MR. NELSON

PS 203 American Politics and Legislation Fall
The American political process; the theory and practice of politics; the functions and activities of political parties and interest groups and their role in the initiation and control of governmental policies, including a consideration of crucial political issues and practical politics. MR. THURBER

PS 204 American Politics and Legislation Spring
The formal and informal aspects of legislative organization and procedure; a study of political power as it is found in the legislative process and in the activities of the power groups found in American society. Closely related to current legislative proceedings. MR. THURBER

PS 305 American Constitutional Law: the Frame of Government Fall
Study of the judicial function and the Supreme Court's interpretation of the constitutional principles of federalism and the separation of powers. Supreme Court cases, books and articles will be used. MR. DRY

PS 306 American Constitutional Law: Individual Rights Spring
Study of the Supreme Court's interpretation of the Bill of Rights and the Fourteenth Amendment to understand the constitutional doctrines and the political issues surrounding civil and political rights. MR. DRY

[**PS 401 Seminar in American Political Thought**]
The Founding. Study of the Federal Convention and the subsequent Federalist-Anti-federalist debates during ratification with a view toward understanding the fundamental issues of modern republican government. Not offered 1969–70. MR. DRY

PS 412 The American Presidency Spring
Powers, purpose, and functioning of the Presidency in the American political system. (Juniors and Seniors) MR. THURBER

International Relations and Foreign Policy

PS 201 International Politics Fall
A conceptual framework for the study of international politics. The focus is on foreign policy decision-making, evaluation of capabilities, and interstate relations from the viewpoint of the international system. MR. LENG

[**PS 202 Contemporary International Politics**]
A study of international strategy and approaches to conflict resolution in major areas of conflict in the contemporary international system. Includes an exercise in inter-nation simulation. (PS 201 or permission) Not offered 1969–70.

PS 311 American Foreign Policy: Institutions and Processes Fall
Critical examination of contemporary administrative problems in foreign policy formulation and implementation, involving such issues as constitutional authority versus political expediency, competition between the President and Congress, adequacy of Executive organization: State and Defense Departments, Foreign Service, Intelligence; the role of public opinion; and, review of the decision-making process through pertinent case studies. Individual oral and written reports. MR. HOAG

PS 402 American Foreign Policy: Diplomacy of the Cold War Spring
Seminar consideration of the background, development, and current condition of the so-called "Cold War" situation and policies. Critique of American policies may be related to one of several periods, including: America-Soviet Relations 1917–1933; Conferences of World War II; The Era of 1945 to the Present. Individual oral and written reports. (Juniors and Seniors)
MR. HOAG

[**PS 404 Theories of International Politics**]
An examination of international politics as a discipline. Emphasis will be on major contemporary approaches, methodological trends, and analysis of the international system. (Juniors and Seniors) Not offered 1969–70.

PS 405 International Bargaining Fall
A study of contemporary approaches to the analysis of foreign policy decision-making and international bargaining. Research projects dealing with international conflict situations. (Seniors or permission) MR. LENG

Comparative Politics

PS 205 The Study of Comparative Politics Fall
An introduction to the field of comparative politics. This history of comparative method, its advantages and limitations in the study of politics will be examined. There will be a survey of the major theoretical approaches used in comparative political analysis as well as a statement of the substantive concerns of the field. STAFF

PS 206 Political Systems of Europe Fall
A comparative analysis of selected political systems in Europe. Emphases will be on variations in political structures and functions as well as on the relationship of the polity to the economy, the society, and the international community. Major concentration will be on Britain, the Soviet Union, and Sweden. STAFF

PS 309 Government and Politics of China and Korea Fall
Analysis of the ideologies, political movements and institutions; domestic and foreign policies, with emphasis upon contemporary issues. Class discussion supplemented by oral and written reports based on current literature.
MR. HOAG

PS 310 Government and Politics of Japan and India Spring
Examination of the origin of the political systems, political processes and governmental institutions as related to political participation and the satisfaction of contemporary demands. Class discussion supplemented by oral and written reports based on current literature. MR. HOAG

PS 314 The Politics of Developing Areas Spring
A study of the political processes and structures of the developing areas. The most salient problems facing the new nations, their capabilities in coping with these tasks, and their future prospects will be analyzed. The approach will be comparative and empirical data will be drawn from a wide range of geographical and temporal contexts. STAFF

PS 407 The Politics of Modernization Fall
A comparative analysis of social change in developing nations. Topics covered will include the transformation of ruling elites, social classes, ideologies, and problems for U. S. policy. (Seniors or permission) STAFF

PS 408 Government and Politics of Southeast Asia Spring
Examination of the effects of Nationalism, Communism, and Modernization upon the area, with special attention directed to Burma, Thailand, Vietnam, Malaysia and Indonesia. Broad reading supplemented by special comparative and particular country studies through oral and written reports based on contemporary studies. (Seniors and Juniors) MR. HOAG

Political Philosophy and Behavior

PS 317 Political Philosophy Fall
An examination of contemporary theoretical positions in or affecting political science, followed by study of the writings of selected Greek, Roman, Christian, Jewish and Muslim political philosophers. The period covered in the historical part of the course is roughly from Plato to Machiavelli.
MR. NELSON

PS 318 Political Philosophy Spring
A continuation of PS 317 from Machiavelli to the present. (PS 317 or permission) MR. NELSON

PS 409 Seminar on Political Theory Fall
Intensive study of a theme, or epoch, or author of political thought to be announced. (Seniors or permission) MR. NELSON

PS 500 Advanced Projects in Research Fall and Spring
A program of independent research designed to meet the individual needs of advanced students majoring in Political Science. Staff

PSYCHOLOGY

Professor: A. H. Ewell (*chairman*); Associate Professor: D. L. Prouty; Assistant Professors: L. J. Pellegrino, J. T. Polefka

For the student who majors in psychology engagement with experimental data lays the basis for an empirically-founded and objective formulation of principles of human behavior. He may encounter the data in published research reports, in his regular laboratory work, and in connection with his own research along lines that he finds important. The relevant observations may involve human subjects or sometimes infra-human subjects for the better experimental control that they may permit. Whatever the sources of his observations, the student comes to see them as products of the experiments that generated them, and thus he evaluates their importance for hypothesis or generalization.

As a psychology major the student takes a program of elective and required courses in psychology and related disciplines. By the end of his sophomore year, through work in Psychology, in Mathematics, and in Biology and/or Chemistry, he has acquired familiarity with many of the data, concepts, and research procedures essential to an understanding of human behavior. During his last two years he makes use of his accumulated knowledge and skills in his deep involvement with several areas of central importance to psychology.

Students generally choose to complete as much as possible of their formal course work toward the major by the end of the junior year so that their work in psychology as seniors can be devoted to independent reading and study and possibly to individual research in Advanced Research (PY 500). Participation in this Program may lead to the award of Departmental Honors.

Required for a Major in Psychology: PY 101, PY 102, PY 201, PY 301 and at least four additional fall or spring term courses in psychology; participation during one winter term in a psychology winter program from among those indicated as meeting the departmental requirement; Qualification in Psychology, Senior Independent Study (PY 700) and the General Examination in Psychology (PY 705); completion of the following extra departmental requirement: a year of college mathematics and at least two one term courses in the Natural Science Division, these courses to be chosen in consultation with the Psychology Department.

Qualification in Psychology must ordinarily be accomplished by the end of the student's sophomore year and is achieved by completion of Psychology PY 102 with a grade of at least 70, by completion of Psychology PY 201 with a grade of at least 70, and by completion of the extra-departmental major requirements as stated above. A student who has not met Qualification by the end of his sophomore year may be granted exception to the requirements on action of the Department in response to his written request.

Senior Independent Study (PY 700) involves conferences with staff and preparation of several papers and presentation of these papers to a seminar during the fall and spring terms of the student's senior year. Preparation for the General Examination (PY 705), given yearly in May, will involve independent reading by the student. This preparation may be done as the equivalent of one course during the fall or winter or spring term of the student's senior year at his choice.

If the student seeks to be graduated with Departmental Honors in Psychology he must apply to the Department before April 1 of his junior year and propose an individual research project to be conducted during his senior year. If the project is approved he will be assigned a faculty Honors advisor and will register for Advanced Research (PY 500) during the fall and winter terms of his senior year. If his performance in his research and in the oral examination held at its conclusion is outstanding, and if he meets College-wide requirements for Departmental Honors (See p. 15) he will be awarded Honors, High Honors, or Highest Honors in Psychology upon graduation.

PY 101 and PY 102 Fundamentals of Psychology Fall and Spring

To acquaint students with the foundations of psychology and also to serve as basis for advanced work in the field, this course deals with the scientific study of human behavior. The lectures and discussions constitute a detailed

examination of the major topics of psychology on the behavioral, cognitive, and biological levels, and explore the nature and variety of behavior with a view to providing a set of explanatory principles. The final examination in PY 102 will cover the year's work. (Open to freshmen and sophomores without permission. Open to juniors and seniors with permission.) (This course will also receive credit for Teacher Education.) STAFF

PY 201 Principles of Research in Behavioral Science Fall and Spring
This course introduces the student to behavioral experimentation through a consideration of the problems relating to the design and analysis of experiments. It deals, further, with the accepted procedures for describing and reporting the outcomes of such research. (PY 101; two terms of college mathematics or permission.) 3 hrs. lecture, lab. Calculator fee, $6.
MR. EWELL

PY 225 Developmental Psychology Fall
The purpose of this course is to examine human development in terms of the principles and methods of psychology. The course will consider in turn such topics as: the nature of the developmental process, the methodology of child study, perceptual-motor development, the development of language and intellectual skills, and the development of gender role. (PY 102) (This course will also receive credit for Teacher Education.) MR. PROUTY

PY 229 Social Psychology Fall
After a brief review of the implicit assumptions, both historical and contemporary about "the nature of human nature," this course proceeds to a critical examination of the basic experimental literature in the field. At the same time it also examines a number of areas within social psychology (e.g. communications, attitudes, group dynamics) from the point of view of the relation between empirical data and theory. The emphasis throughout is on the individual in the social situation, and the basic principles from general psychology underlying his behavior. (PY 101 and PY 102, or permission)
MRS. POLEFKA

PY 301 Physiological Psychology Fall
Lectures deal with the ways in which underlying neurophysiological, neuroanatomical, and endocrinological processes affect behavior. In laboratory the student has first-hand contact with the procedures used in psychology to relate structure and function. (PY 101, 102 and permission. Permission will be granted to students having strong backgrounds in psychology, biology, or chemistry.) 3 hrs. lecture, lab. Laboratory fee $10. MR. PELLEGRINO

PY 311 Experimental Psychology: Psychophysics and Scaling Fall
Lectures deal initially with the definition and measurement of the sensory unit and the procedures of psychophysical scaling. Later lectures deal with procedures for scaling intelligence and attitude. Laboratory work includes representative experiments dealing with psychological scaling procedures. (Permission) 3 hrs lecture, lab. Laboratory fee $5. MR. EWELL

PY 312 Experimental Psychology: Learning Spring
The course involves a detailed examination of research in the area of learning with respect to problems of experimental design and theoretical interpretation. The topics studied include Pavlovian conditioning, instrumental training, discrimination, transfer of training, and verbal learning. The laboratory work in this course centers around conditioning and training techniques with human and animal subjects (PY 201) 3 hrs. lecture, lab. Laboratory fee $5.
MR. PROUTY

[PY 314 Experimental Psychology: Sensory Processes]

PY 316 Research in Physiological Psychology Spring
In this course the students explore intensively and learn the various experimental procedures used in psycho-physiological research. In laboratory they carry out a number of these procedures, observe their effects on behavior, and histologically verify their central nervous system loci. (PY 301 and permission.) 2 hrs. lecture, 3 hrs. lab. Laboratory fee $10.
MR. PELLEGRINO

PY 322 Measurement of Human Performance Spring
This course is devoted to the procedures of recognizing, through tests and otherwise, the problems of mental retardation, brain injury, emotional disturbance, and of the "bright" or "dull" child. Some consideration is given to the treatment of these problems. Students with particular interest in one type of problem will have the opportunity to explore that problem in depth. (PY 101 and PY 102 and permission.) (This course will also receive credit for Teacher Education.) MR. EWELL

PY 326 Personality Spring
This course emphasizes the scientific conceptualization of the unique individual personality. Various historical and contemporary formulations are critically examined in the light of both the available experimental evidence and the criteria for acceptable hypotheses. On the basis of these considerations, the course attempts to specify appropriate approaches to, and conceptualizations of, the individual. (PY 101, PY 102) MRS. POLEFKA

PY 426 Psychopathology Spring
An initial series of lectures deals with the symptomatology and nosology of mental illness. The research literature on the etiology of mental illness, and on selected topics in psychopathology (e.g., epilepsy, experimental neurosis, psychotomimetics) is reviewed and assessed by student panels or through student research papers presented to the seminar. (PY 101, PY 102 and permission) MR. EWELL

PY 500 Advanced Research
A program of research arranged to meet the needs of advanced students majoring in psychology. (Permission) STAFF

PY 700 Senior Work: Independent Study Fall and Spring
In this program, required of senior psychology majors during Fall and

Spring terms, the student with faculty guidance chooses one or a small number of topics in the literature of psychology to pursue deeply on his own. He reports to his fellow students several times on this work. Participation in this program carries one course equivalent in each of the two terms. STAFF

PY 705 Senior Work: General Examination
Senior psychology majors are expected to work independently throughout the year in preparation for the General Examination given in May. This examination covers the field of psychology rather than specific course material. Each student is granted one course equivalent for preparation for this examination. He may take that equivalent, at his own choice, during the fall, winter, or spring term of his senior year. STAFF

RELIGION

Professors: R. L. FERM (*chairman*), C. P. SCOTT; Associate Professor: V. L. NUOVO; Assistant Professor: C. K. PULLAPILLY

The basic course, RE 101, is required of all majors. In addition, Religion majors are required to complete eight one-semester departmental or approved courses, including at least two seminars in Religion. Approved courses are courses offered in other departments and numbered 200 and above, which may be credited toward the major requirement on approval of the Department of Religion and with the consent of the instructor of the course. During the senior year, majors are required to complete two semesters of Independent Study (a research project carried out under the direction of one of the members of the department) or a senior thesis and the Comprehensive Examination (equivalent to one course). All majors are required to demonstrate a knowledge of Biblical Literature.

RE 101 Introduction to Religion§ Fall and Spring
A course organized around six week seminars which deal in depth with a particular issue or topic. The student will select two seminars at the beginning of the semester from a list prepared by the department. In the fall semester of 1969–70 the seminar topics will include "Job and the Problem of Evil," "A Critique of the Radical Theology," and others. STAFF

RE 201 The Old Testament§ Fall
The history, literature, and faith of the Hebrew people from the Patriarchal age to the Maccabean revolt. Attention will be given to the methods of historico-literary criticism and the contribution of archaeology to biblical history and interpretation. MR. SCOTT

RE 202 The New Testament§ Spring
A study of the documents of the New Testament, their message, and the history of Christian beginnings which they disclose. Emphasis will be given to the Jewish and Graeco-Roman influences in the emergence of the Christian tradition. MR. SCOTT

RE 205 History of Christianity§ Fall
A study of the thought and institutions of Christianity from the beginnings through the fifteenth century. MR. PULLAPILLY

RE 206 History of Christianity§ Spring
A study of the thought and institutions of Christianity from the sixteenth century to the present. MR. PULLAPILLY

[RE 209 The Religious Traditions of India§]
A study of the religious culture of India in its historical development: the formation of the Veda, Brahmanical ritualism, Bhagavatism, Medieval Orthodoxy, Popular Hinduism and Temple culture. The response of these traditions to the challenges of Buddhism, Jainism, Islam, and Christianity, and most recently to modernization and to secularism. (Offered in alternate years. To be offered in 1970–71.)

RE 210 History of Buddhism§ Spring
The formation of Indian Buddhist traditions and their classical reformulation in countries outside India (Burma, Ceylon, China, Indo-China, Japan, and Tibet). The interaction of Buddhism with indigenous traditions.
MR. NUOVO

RE 214 A Study of the great traditions of Judaism, Christianity, and Islam§ Spring
An attempt will be made to view these traditions against the ancient near eastern background, in the light of the Hellenistic influence on all, and in terms of their repeated interaction. MR. FERM

RE 221 Religion and American Culture§ Fall
A study of the problems of a religiously pluralistic society, with attention given to the structure of the Protestant, Catholic, and Jewish traditions and to contemporary social issues. MR. FERM

[RE 222 Approaches to Christian Ethics]

RE 301 Studies in Theology§ Fall
Topic for 1969–70: the *Systematic Theology* of Paul Tillich. A critical reading and discussion of Tillich's major work. (Limited to twenty-five students.)
MR. NUOVO

RE 302 Modern Religious Thought§ Spring
An examination of the major theological issues of the nineteenth and twentieth centuries. Particular attention will be given to the "critics" of religion.
MR. FERM

RE 305 Indian Philosophy and Theology§ Fall
An investigation of the classical schools of Indian thought: Nyaya-Vaisheshika, Samkhya, Yoga, Purva-mimamsa, Vedanta, and the heterodox schools, Jain and Buddhist. (Offered in alternate years.) MR. NUOVO

[RE 307 The Evolution of the Modern World and the Religious Situation of the West, 1450–1870]
A study of the changes in the Judaeo-Christian civilization due to the following developments: discoveries of non-European cultures, the Commercial and Industrial Revolutions, the Scientific Revolution, and En-

lightenment and Romanticism. Changes in the spheres of ideologies, general culture, and institutional structures will be discussed. Juniors and seniors. Sophomores by permission only. (Offered in alternate years.) Not offered 1969–70.

RE 308 The Religious Situation of the West in the Century of Change, 1870–1970§ Spring

A study of the changing religious situation in the West from Vatican Council I to Vatican Council II. Developments in relation to the great events of this hundred-year period, such as the growth of nationalism, breakdown of colonial powers, spread of Communism, strengthening of the labor forces, acceptance of humanistic values, revival of Eastern religions, and the birth of a para-religious culture in the West will be discussed. Juniors and seniors. Sophomores by permission only. (Offered in alternate years.) Not offered 1969–70. MR. PULLAPILLY

RE 401 Seminar: Levitation, Ecstasy, Stigmata: A Study in Mysticism Fall

The extraordinary experiences of Western mystics like Francis of Assisi, Therese of Avila, John of the Cross, Theresa Newman, and Padre Pio, as well as the experiences of Eastern mystics like Ramakrishna, Vivekananda, some of the Bodhisatvas, and the contemporary experiences of the Zen masters will be discussed. MR. PULLAPILLY

RE 402 Secularism and Secularization in Asia Spring

A study of the nature of secularization as a process of social and cultural change and of its challenge to religious institutions in Asia and of the forms of secularism as an ideology in Asian countries. The Hindu and Buddhist revivals. MR. NUOVO

RE 500 Fall and Spring

Independent study for advanced students. STAFF

Note also: Philosophy: PA 213, Philosophy of Religion.

RUSSIAN

Associate Professor: R. L. BAKER (*chairman*); Assistant Professor: S. D. CIORAN; Instructor: G. R. MOTOLANEZ; Associate: MRS. A. BAKER

The major in Russian consists of a series of courses leading systematically to a high degree of proficiency in the spoken and written language and to a general knowledge of Russian literature and cultural history from its beginnings to the present day.

While more and more students enter Middlebury College with two or three years of high school Russian, the majority of freshman enrolling in Russian are just beginning their study of the language. A minimum of about two years of study of the language is necessary before one can effectively apply it to the study of literature and civilization. In order to introduce the major to Russian culture as soon as possible and while he is still learning the language, the Department offers the following course conducted in English:

RU 251 and RU 252, Russian Literature and Culture. This course is also open to students who are majors in other departments. Students from other departments are also welcome in the following courses, which require no knowledge of Russian: RU 351, Dostoevski;

RU 352, Tolstoy; RU 353, The Russian Short Story; and RU 354, 20th Century Russian Literature.

Admission to the major program is attained through satisfactory grades in RU 202 and RU 252 or through satisfactory scores on the qualifying examination. The qualifying examination will cover all language skills and a general knowledge of Russian literature and culture from its beginnings to the present day.

Required for the major: RU 301, RU 302 and three courses chosen from the following: RU 311, RU 312, RU 401, RU 402, RU 411 and RU 412. Although not required for the major, the following courses may count toward the major provided the total number of courses taken in Russian does not exceed 14: RU 351, RU 352, RU 353, and RU 354. Normally a student will be advised to take two winter program courses, in the Department during his four years.

The Senior Program will consist of Independent Study (the equivalent of two courses) and General Examinations (the equivalent of one course). Independent Study will consist of the writing of a thesis under the direction of a faculty member and of periodic review seminars to prepare students for the General Examination. Honors work will be integrated with the research project and thesis included in Independent Study.

RU 101, RU 102 Beginners' Russian Fall and Spring
Oral inductive approach to provide a firm control of the sound system and the structure of the language. Although the emphasis is on the spoken colloquial language, reading, writing, and the fundamentals of grammar are gradually introduced in order to provide a solid foundation for work in advanced courses or for reading in specialized fields. Five class meetings per week (two in lecture sections, three in drill sections) and intensive use of the language laboratory. (RU 102 must be passed before credit for RU 101 is given.) Lab. fee $10 per semester. MR. BAKER and STAFF

RU 201 Intermediate Russian Fall
Continuation of the oral approach used in RU 101 and RU 102 with increasing emphasis on reading and writing. Four class meetings per week (one in lecture, three in drill sections). Intensive use of the language laboratory. (Russian RU 102 or equivalent) Lab. fee $10. STAFF

RU 202 Intermediate Russian† Spring
Reading and conversation in Russian based on contemporary texts, both literary and non-literary. Intensive use of the language laboratory. (Russian RU 201 or equivalent). Lab. fee $10. STAFF

RU 251, RU 252 Russian Literature and Culture (in English)§ Fall and Spring
A survey of Russian cultural history and literature from its beginning to the present day. In the first semester the main emphasis will be on the 19th century. In the second semester the main emphasis will be on the literature and culture of Soviet Russia. No knowledge of Russian is required.
MR. CIORAN, MR. MOTOLANEZ

RU 301 Russian Phonetics, Diction and Conversation Fall
Intensive work in establishing correct Russian pronunciation and intonation.

Development of oral fluency and freedom in self-expression. Intensive use of language laboratory. (Russian 202 or equivalent) Lab. fee $5.
Mr. Baker

RU 302 Russian Conversation and Composition Spring
Continuation of development of oral fluency, together with review of grammar and study of some of the more intricate elements of Russian grammar. Intensive use of language laboratory. (Russian 301 or equivalent) Lab. fee $5.
Mr. Baker

RU 311, RU 312 Russian Prose and Drama of the 19th Century § Fall and Spring
Reading in the original of works of some of the major 19th century writers. Classroom discussions in Russian. (RU 202 or equivalent) Mrs. Baker

[RU 351 Dostoevski (in English) §]
A study of the major works of one of the masters of Russian literature who has had a great influence on world literature, particularly on the Existentialists. No knowledge of Russian is required. Offered in alternate years. Not offered in 1969–1970.

[RU 352 Tolstoy (in English) §]
A study of the major works of one of the giants of Russian and world literature. No knowledge of Russian is required. Offered in alternate years. Not offered 1969–1970.

RU 353 The Russian Short Story (in English)
A study of some of the major Russian writers of short stories, with particular emphasis on Chekhov. No knowledge of Russian is required. Offered in alternate years. Mr. Motolanez

RU 354 20th Century Russian Literature (in English) §
A study of 20th century writers more in depth than is possible in RU 252 and including some authors not included in that course. Greater emphasis on poetry than in RU 252. No knowledge of Russian is required. Offered in alternate years. Mr. Cioran

RU 401, RU 402 Advanced Language Study Fall and Spring
Continued development of spoken and written skills, including stylistic analysis of various types of material. Entails use of the language laboratory. (RU 302 or equivalent) Mrs. Baker

RU 411 Russian Prose and Drama of the 20th Century §
A study in the original of some of the major 20th century writers of prose and drama. Classroom discussions in Russian. Mr. Cioran

RU 412 Russian Poetry §
Study in the original of Russian poetry from the 18th century to the present day. Classroom discussions in Russian. Mr. Cioran

RU 500 Advanced Studies in Language and Literature
Fall and Spring

SOCIOLOGY-ANTHROPOLOGY

Associate Professors: D. H. Andrews, R. K. Haerle, Jr. (*chairman*); Instructors: B. T. Grindal, B. A. Parks, Jr.

The major in Sociology-Anthropology will provide the student with a significant perspective for the systematic analysis and understanding of human behavior resulting from cultural and societal forces. Based on the empirical findings of the closely related disciplines of Sociology and Anthropology, this perspective is inherently comparative, such that the department is concerned with the interrelations between culture and society in various settings. Although both of these disciplines share common concern about human behavior, each in addition has its own history, concepts, and theoretical commitments. Anthropology essentially focuses on the role of culture in human experience and Sociology is concerned primarily with the role of social interaction and the social structure in human experience.

To achieve the requisite understanding of human behavior in the sociocultural context, the major in Sociology-Anthropology is exposed to the theoretical and empirical literature through a coordinated series of 6 required and 4 to 8 elective courses. During the beginning course (SA 101 and SA 102), the student is introduced to the basic concepts, theories, and findings of both Sociology and Anthropology. At this point, each major must declare a "specialization" in either Anthropology *or* Sociology. (This does not preclude the election of courses in both fields.) Depending on the specialization chosen, one must fulfill the following requirement: if specializing in Anthropology, *one* "culture area" course from among those which will be offered (SA 321, SA 325, SA 326, SA 332); if specializing in Sociology, SA 205, Sociological Theory.

All majors, regardless of specialization, must take SA 301, Research Design. It is strongly suggested that students take this course in the *junior year* in order to prepare the topic and background for their Senior (or Honors) Thesis. Sophomores may register for the course if they wish:

During the final year, the student will participate in the Senior Program, including a Senior Thesis (or Honors Thesis), and preparation for the General Examination. Normally the Senior Program will carry two Fall and Spring term course credits, with an additional course credit for Honors students.

Thus, for the regular non-Honors student, a total of 6 courses will be required, leaving a minimum of 4 and a maximum of 8 fall and spring electives. For his elective courses, a student is free to pursue the study of those problem areas or special interests which best suit his future career plans. The courses in the department are so arranged that a student might choose from a number of possible alternatives. (See the printed chart available from the department.) A student might choose to take most of his electives within either a sociological or anthropological framework. However, he might also choose, for example, to focus his attention on "social organization and comparative institutions," thus cutting across and combining courses taught by both anthropologists and sociologists under that general heading. Other such combinations are also possible.

> Required for the major in Sociology-Anthropology: SA 101, SA 102, SA 301, either SA 205 or one "area course," the Senior Program, the General Examination, plus a minimum of four but not more than 8 fall and spring courses in the Department (to exclude the Senior Program courses) and a minimum of one but not more than two winter courses in the Department (one of which may be part of the Senior Program). The selection of cognate courses will be planned with the major's advisor, taking into consideration the student's aims and purposes in the department.

The Senior Program will consist of the Senior Thesis and the General Examination. With the exception of Honors candidates (to be discussed below), the program will carry three course equivalents, two of which will be allocated to the Senior Thesis and the remaining one to the General Examination. For every student, the Spring term will be devoted to preparation for the comprehensives. The two course equivalents designated as the Senior Thesis will normally be taken, one each, in the Fall and Winter terms.

For the Honors candidate, the new Senior Program will consist of the Honors Thesis

and the General Examination. This program will carry four course equivalents, three of which will be allocated to the Honors Thesis and one to the General Examination. As above, the Spring term will be devoted to preparation for comprehensives, with a course credit of one. The three courses assigned to the Honors Thesis, along with the comprehensive preparation, will normally be handled in a 2–1–1 pattern.

Consult the Department bulletin for further details on the Senior Program:

Introductory Courses

SA 101 Introduction to Anthropology Fall

An introduction to the major sub-fields of anthropology—physical anthropology, archaeology and social anthropology. To be examined is the evolution and contemporary variation of man and culture, using data from human paleontology and biology, the archeological record and ethnographic studies. (Not open to juniors and seniors except by permission).

Mr. Andrews and Mr. Grindal

SA 102 Introduction to Sociology Spring

A systematic study of society and social organization. Major theoretical concepts of sociological analysis presented and applied to the basic institutions of man and areas of specialized interest. Emphasis on American society. (Not open to juniors and seniors except by permission).

Mr. Haerle and Mr. Parks

Theory and Method

SA 205 Sociological Theory Fall

A critical analysis of the major sociological theorists who have or are influencing contemporary American sociology, through the use of original sources. Emphasis will be given to Marx, Weber, Durkheim, and Simmel. Implications and applications of their ideas to contemporary theory and research. (SA 101, SA 102 or permission). Mr. Haerle

[SA 206 Theory in Anthropology] Spring

This course will examine the major trends in anthropological theory as they have developed over the past century. It will investigate the assumptions and concepts of the main schools of anthropological thought including evolutionism, diffusionism, the historical and configurational approaches of American anthropology and the structural-functional approach of British Social anthropology. It will conclude with a consideration of more recent theoretical concerns arising from the application of ideas drawn from ecology, psychology and linguistics. (SA 101, SA 102 or permission). (Offered in alternate years). Not offered 1969–70. Mr. Grindal

SA 301 Research Design Spring

The relationship of concepts, hypotheses, and theories to general principles of research. The systematic procedures of design and measurement used by sociologists and anthropologists to obtain and analyze data about culture, human groups and institutions. Preliminary bibliographic search and research

design as background for the senior thesis. Strongly recommended for juniors. (SA 101, SA 102). STAFF

Social Organization and Comparative Institutions

[SA 311 Work and the Formal Organization]
The study of work as a social and organizational phenomenon from two complementary points of view: (a) the sociology of occupations and professions, stressing the process of professionalization, career selection, and colleague and client relationships, and (b) industrial sociology, with emphasis on the conflict of formal and informal structures in industrial and bureaucratic organizations. (SA 101, SA 102 or permission). (Offered in alternate years). Not offered 1969–70.

SA 315 Sociology of Education Fall
An examination of the values and social structure of educational institutions, especially in American society. Historical development of contemporary philosophies, practices, and problems, emphasizing their relation to other institutions, such as the economic, political and the family. The social phenomenology of the roles of student and teacher: education as the experience of a social community in relation to education as the experience of learning. (SA 101, SA 102 or permission). (Offered in alternate years) (This course will also receive credit for Teacher Education.) MR. PARKS

[SA 402 Political Sociology]
The sociological study of the role of power and authority in social organization. The relation of power to other cultural values central to the organization of contemporary urban-industrial societies. Theories on the role of power and obedience in the development of the human self. (SA 101, SA 102, or permission). (Offered in alternate years). Not offered 1969–70.

SA 407 Anthropology of Religion Fall
Religious beliefs and practices in tribal and peasant societies. Examination of: theories of the origin and function of religion; mythology, legend and ideology; magic, witchcraft, and divination; religious cults and practitioners; and religious acculturation and nativistic movements. (SA 101, SA 102, or permission). (Offered in alternate years). MR. GRINDAL

[SA 413 Kinship and Social Organization]
Examination of the concepts and methods used in the analysis of kinship and social organization in tribal and peasant societies and the theoretical perspectives of American and British anthropology. Emphasis upon the relationship of kinship to economic, familial, legal, political, and religious systems. (SA 101, SA 102 or permission). (Offered in alternate years.) Not offered 1969–70.

Area Studies

SA 321 Native Peoples of North America Spring
An examination of the aboriginal cultures of North America from the Eskimo

in the Arctic to the Aztecs of Mexico and the Maya of Guatemala. The major emphasis is on the conditions of various groups at the time of contact, with special concern for the theoretical and conceptual implications of the data. Some attention will be given to the archaeology and contemporary situation of these groups. (SA 101, SA 102 or permission). MR. ANDREWS

SA 325 Native Peoples of South America Fall
Indigenous peoples of South America and Caribbean area. Bands, tribes and empires will be considered from the time of earliest contact up to their point of extinction or present condition. (SA 101, SA 102 or permission). (Offered in alternate years). MR. ANDREWS

[SA 326 Latin American Culture and Society]
An examination of the features that characterize the Latin American cultural area as seen from the anthropological perspective. Although historical data will be considered, the main emphasis is on contemporary Latin America. Particular attention will be paid to urbanization, sub-cultures, social stratification and value orientations. (SA 101, SA 102 or permission). (Offered in alternate years). Not offered 1969–70.

SA 332 African Cultures and Societies Fall or Spring
Description and analysis of African cultures and societies, South of the Sahara. Historical and contemporary perspective of structure and change, particularly the modernization process. (SA 101, SA 102 or permission).
MR. GRINDAL

[SA 342 Social Stratification and American Community Studies]
The nature and functions of stratification in American society examined through the study of selected communities and subcommunities. The structure of social class, status, and power, and the relationship among institutions within the community. Consequences of stratification for values, life styles, and behavior. (SA 101, SA 102 or permission). Offered in alternate years). Not offered 1969–70.

[SA 343 Urban Society]
The sociological study of the city: its historical development and characteristics in contemporary, urbanized societies. Different theoretical approaches to the structure and functions of cities in urban societies. Human problems in urban societies: economic inequality, ethnic intolerance, individual isolation and powerlessness. (SA 101, SA 102 or permission). (Offered in alternate years). Not offered 1969–70.

Social Process and Social Problems

SA 351 Personality and Culture Spring
The relationship of socio-cultural and psychological variables in understanding behavior. Examination of cross-cultural differences and regularities in personality and in socialization with emphasis upon the psychological reaction to change and social disorganization in developing societies. (SA 101, SA 102 or permission). (Offered in alternate years). MR. GRINDAL

SA 352 Individual and Society Fall

Perspectives on the relation between culture, social structure, and the individual: the individual in society and society in the individual. Contemporary sociological conceptions of socialization, self or identity, and interaction. Special attention given to the quality of social life as experienced by the individual person: his involvement with the roles, other persons, and symbols of different institutions. (SA 101, SA 102, or permission).

MR. PARKS

[**SA 356 Socio-Cultural Change**]

An examination of socio-cultural change with emphasis on evolution, acculturation and the development process, using data primarily from non-Western peoples. (SA 101, SA 102, or permission). (Offered in alternate years). Not offered 1969–70.

SA 359 Peasant Society and Culture Spring

Comparative analysis of contemporary peasant societies and cultures. Examination of the social position of the peasants in the wider society of which they form a part. Study of the distinctive folk traditions and customs of peasant societies. Analysis of the impact of twentieth century political and economic changes on the cultural values and social systems of differing types of peasant societies. (SA 101, SA 102, or permission) (Offered in alternate years).

MR. ANDREWS

SA 363 Social Problems and Social Pathology Spring

The study of social disorganization or pathology as distinct from the study of deviant behavior. Analysis of the bases of disorganization within major social institutions, as well as the effects of this disorganization on groups and individuals. Special attention given to the interdependence of social and personal disorganization; disorganization in the various classes of American society. (SA 101, SA 102 or permission). (Offered in alternate years).

MR. PARKS

SA 366 Majority-Minority Relations Fall

Focus on the causes, purposes, and consequences of prejudice, discrimination, and segregation, especially as they are manifested in various institutional contexts. Problems of self-conception, adjustment patterns, social movements and black power, community organization, and styles of life. Special emphasis on the Negro American. (SA 101, SA 102, or permission). (Offered in alternate years).

MR. HAERLE

SA 420 Juvenile Delinquency Spring

Within the framework of a general theory of social control and deviant behavior, consideration of the psychological, social, and sub-cultural aspects of juvenile delinquency. Theories and empirical research on both lower-class and middle-class delinquency. (SA 101, SA 102, or permission). (Offered in alternate years).

MR. HAERLE

SA 500 Advanced Individual Study Fall and Spring

Open to qualified students, by permission.

STAFF

SA 700 Senior Thesis Fall and Winter
Under the guidance of a faculty member, each senior major will carry out an independent research project, in sociology or anthropology, often based on original data. Data must be analyzed and presented in a written report. Due at the end of the Winter Term. STAFF

SA 705 General Examination Spring
The comprehensive examination is designed to cover the two fields of sociology and anthropology as a total, integrated experience. An oral section is included. STAFF

SPANISH AND ITALIAN

Professor: *S. CASTIGLIONE (*chairman*); Associate Professor: R. M. PEEL (*acting chairman*); Instructors; C. CHIARENZA, MISS N. S. WRIGHT; Lecturer: MRS. C. CENTENO

The Major in Spanish consists of a body of courses which leads systematically to the perfection of the ability to read, speak and write Spanish, and to a general knowledge of the broad aspects of Spanish and Spanish American Literatures and Civilizations. A comprehensive examination is required of all majors in May of the senior year, covering in breadth and depth the cumulative materials of the four years of course work.

A study of Spanish literary style, of literary and historical movements is designed to lead the student to an appreciation of the creative genius of the various civilizations which make up the Spanish speaking world. The detailed study and discussion of the great literary creations will be further enhanced by studies in artistic movements affecting developments in painting, sculpture and architecture, as well as in music.

Required for a Major: SI 301, SI 302, SI 407, SI 408, SI 410 and 4 additional semester courses in Literature in the Department, Independent Study, and the General Examination. Women majoring in the Spanish Department are required to live in the Spanish corridor of Allen Hall for one year.

Students will have the opportunity to concentrate in Spanish or Spanish American Literature in the Independent Study program. The General Examination and Independent Study Programs will carry 3 course credits.

Spanish

SI 101 Beginners' Spanish Fall
Elements of pronunciation; fundamentals of grammar; reading of cultural materials; dictations; vocabulary building. (SI 102 must be passed before credit for SI 101 is given.) Laboratory fee $10.00. STAFF

SI 102 Beginners' Spanish Spring
A thorough study of regular, irregular, radical changing, and orthographic changing verbs; the subjunctive in noun, adjective and adverbial clauses; laboratory work to perfect pronunciation, with tape recordings and listening exercises. Lab. fee $10. STAFF

SI 201 Advanced Grammar and Reading Fall
A review of grammatical principles; readings in Spanish and Spanish American Literature. Designed for students with two or three years of high school Spanish and some training in understanding and speaking Spanish. MR. PEEL

*Director graduate school in Italy 1969–70

SI 202 Advanced Grammar and Reading Spring
A systematic review of Spanish grammar with particular emphasis on the most difficult points of syntax. Written and oral work in addition to extensive reading. MR. PEEL

SI 301 Introduction to Spanish and Spanish American Literature§ Fall
This course is designed to acquaint the student with the main authors and currents of the literature of the Spanish speaking world up to the XVIII Century. Intensive aural and oral training will be combined with extensive reading. Suitable for students who are not Spanish majors. (SI 202 or permission). MR. PEEL

SI 302 Introduction to Spanish and Spanish American Literature§ Spring
Major literary trends and authors from the XVIII Century up to the present day. (SI 301 or permission) MR. PEEL

[SI 401 Spanish Literature from the Middle Ages to the XVI Century§]
Based on the reading of unabridged works. Books to be read will include *Poema de Mío Cid*, *Libro de Buen Amor*, *El Conde Lucanor*, *La Celestina*, *Amadís de Gaula*, *La Diana*, *El Lazarillo de Tormes*, and the poetry of Garcilaso, Fray Luis and San Juan de la Cruz. Offered in alternate years. Not to be given in 1969–70.

[SI 402 Spanish Literature of the XVII and XVIII Centuries§]
Based on the reading of significant literary works such as *El Buscón*, *Fábula de Polifemo y Galatea*, *La Dorotea*, *El Sí de las niñas*, *Cartas Marruecas*, and selected essays by Feijoo and Jovellanos; popular poetry of the Golden Age will also be analyzed. This course will be complemented by Course SI 412. Offered in alternate years. Not to be given in 1969–70.

SI 403 Spanish American Literature§ Fall
A study of the major literary trends and currents in Spanish America from the colonial chronicle to the contemporary novel, with special emphasis on those writers who must clearly reflect the unique aspects of Spanish American culture and civilization. Ricardo Palma's *Tradiciones*, the political essayists, and Indianist and Gauchesque literature are among the authors and literary movements studied. Offered in alternate years. MR. PEEL

SI 404 Spanish American Literature§ Spring
The second semester is dedicated to Modernist and Post Modernist poetry, literature of the Mexican Revolution, and such other currents as the psychological novel. Offered in alternate years. MR. PEEL

[SI 405 The Spanish American Novel§]
A study of the main currents of the Spanish American Novel from the XIX Century up to the present. Representative works of the outstanding authors will be read and analyzed. Offered in alternate years. Not to be given in 1969–70.

SI 407 Spanish Civilization Fall
Study of the Spanish character and of Spain's contribution to world civilization; the geographical, ethnical, historical, political, and artistic evolution of Spain, together with a study of its traditions and customs. Offered in alternate years. STAFF

SI 408 Spanish American Civilization Spring
With a similar method and parallel subject matter to Spanish SI 407, this course will study Spanish America and its contribution to America's culture. Offered in alternate years. STAFF

SI 410 Advanced Language Study Spring
A course in composition. Designed to give a good preparation in written Spanish to students planning to teach. The idiomatic use of the Spanish language will be especially stressed, as it applies to the written and spoken language. (SI 202 or permission.) Offered in alternate years. STAFF

SI 411 Cervantes§ Fall
A study of the most important works by Cervantes, including *Don Quijote*, samples of his *comedias* and *entremeses*, and *novelas ejemplares*, plus *El viaje del Parnaso*. Offered in alternate years. STAFF

[SI 412 Spanish Theatre of the XVI and XVII Centuries§]
A thorough review of some of the most relevant dramatic pieces of this period. Authors studied will include Gil Vicente, Torres Naharro, Lope de Rueda, Lope de Vega, Tirso de Molina, Rojas, Alarcón, Vélez de Guevara, Moreto, and Calderón. Offered in alternate years. Not to be given in 1969–70.

[SI 413 Spanish Literature of the XIX and XX Centuries§]
Romanticism, Realism, Naturalism and the Generation of '98 as reflected in the works of the major authors of the period. Offered in alternate years. Not to be given in 1969–70.

[SI 414 Spanish Literature of the XIX and XX Centuries§]
A continuation of the generation of '98. Aspects of the generation of '27 and contemporary literature. Offered in alternate years. Not to be given in 1969–70.

SI 500 Advanced Studies in Language and Literature Fall & Spring
The student will work on an independent research project in consultation with a member of the staff.

Spanish Language, Culture, and Area Studies
Administered by the Spanish Department

Required for a Major: Spanish SI 301, SI 302, SI 407, SI 408, SI 410 and four additional semester courses in literature; Independent Study and General Examination; Geography: GG 312, History: HI 319, HI 320, American Literature AL 201, AL 202 or History: HI 303, HI 304; Economics: EC 101, EC 102; Political Science: PS 201, PS 202; Sociology: SA 325, SA 326. Cognate courses in Geography, Political Science, History, and the Humanities are recommended:

Italian

SI 151 Beginners' Italian Fall

Training in pronunciation; vocabulary building; a study of the fundamentals of the grammar and syntax; pattern drills; readings. Laboratory exercises are an integral part of the course. Five class meetings per week (two in lecture sections, three in drill sections). (Italian SI 152 must be passed before credit for SI 151 is given.) Laboratory fee $5. MR. CHIARENZA

SI 152 Beginners' Italian Spring

This course is devoted to a review and application of the basic principles presented during the first semester. Readings; compositions; reports; laboratory assignments. Five class meetings per week (two in lecture sections, three in drill sections). Lab. fee $5. MR. CHIARENZA

SI 251 Intermediate Italian Fall

A thorough review of the structure of the language, combined with the reading of selections from contemporary Italian prose. Compositions; oral reports; laboratory assignments. Lab. fee $5. MR. CHIARENZA

SI 252 Advanced Italian Spring

Reading of works by modern and contemporary Italian authors. Discussions; compositions; laboratory assignments. Lab. fee $5. MR. CHIARENZA

[SI 351 Introduction to Literature §]

The aim of this course is to acquaint the student, through classroom discussions and oral reports on representative works, with the principal currents and authors of Italian literature. The first semester will be devoted to the study of the development of Italian literature from the Sicilian School to the Renaissance. Not offered in 1969–70.

[SI 352 Introduction to Literature §]

During the second semester a study will be made of the main trends of Italian literature from the 16th century to the present. Discussions; reports. Not offered in 1969–70.

SI 353 The Italian Narrative since 1940 Fall

A study of the structure and themes of Italian novels and short stories, with special attention to the political and social implications. Among the authors studied will be Buzzati, Moravia, Silone, Vittorini, Pratolini and Pavese.
MR. CHIARENZA

SI 354 The Italian Narrative since 1940 Spring

A study of the writings of the younger generation, with emphasis on the relevance of the particular setting of their works. Authors studied will include Calvino, Sciascia, Bassani, Volponi, Mastronardi and Cassola.
MR. CHIARENZA

SI 550 Advanced Studies in Language and Literature Fall & Spring
MR. CHIARENZA

TEACHER EDUCATION PROGRAM

Director: J. S. Freidin; Assistants: Mrs. R. W. Gleason, Miss K. A. McGlynn

Teacher Education at Middlebury (for prospective elementary and secondary school teachers) is based on two beliefs: first that the most important part of a teacher's education is the development of his intellectual skill and knowledge in the subject (s) he will teach and in the liberal arts and sciences; and second that certain pedagogical studies can help a student learn how he can best teach his subject. Some students prepare themselves in both respects while undergraduates; others prefer to complete their preparation after graduation. The TEP offers students advice on graduate programs in education such as the M.A.T. as well as its own program of courses designed to prepare undergraduates as teachers and to qualify them for state certification.

Any student planning to teach should major in a discipline related to the subject(s) he intends to teach. His major should be broad (e.g., several kinds of history or literature, not just American), for as a teacher he will be responsible for teaching a broad field. His general education must also be broad. These are matters of first priority; they should not be obstructed by studies in the TEP. Consequently, students interested in teaching should speak with the TEP Director as soon as possible in order to decide the most effective program for them. (TE courses in history, sociology, and psychology satisfy Degree-Group B Distributional Requirements. Philosophy of Education satisfies Degree-Group A Distributional Requirement.)

With the exception of "Problems and Methods of Education" (TE 304 and TE 314) and "Practice Teaching" (TE 404–405 and TE 414–415), TE courses are open to all students who have fulfilled the departmental prerequisites for them. "Problems and Methods" and "Practice Teaching" are open only to students admitted to them by the TEP. There are no rigid criteria for admission to these courses, but the following standards are used as guides: the breadth and strength of a student's academic performance in college, his verbal skill, and evidence of his interest in a career as a teacher. Students are expected to argue their own cases for admission with respect to these criteria and any others they consider relevant.

Students who complete all the courses listed below will encounter little difficulty gaining provisional certification in most major states. (Provisional certification is the normal license granted to beginning public school teachers.) Students who complete only some of these courses will usually have to take course work during their first year or two as teachers or extend their full-time studies into a fifth, graduate year.

The courses below should be taken during the years under which they are listed.

The TEP usually offers courses during the Winter Term. Students should consult the winter catalogue for a description of these courses.

Freshman or Sophomore year:

MA 109 Introduction to Modern Mathematics — Fall and Spring
Mathematics Staff

PY 101, PY 102 Fundamentals of Psychology — Fall and Spring
(See description p. 105) A prerequisite for advanced courses in psychology.
Psychology Staff

Sophomore or Junior year:

HI 407 History of American Education — Fall
(See description p. 85) (Permission) — Mr. Freidin

PA 210 Philosophy of Education
(See description p. 95) — Mr. O'Brien

PY 225 Developmental Psychology — Fall
(See description p. 106) (PY 101, PY 102) — Mr. Prouty

PY 322 Measurement of Human Performance Spring
(See description p. 107) (PY 101, PY 102) Mr. Ewell

SA 315 Sociology of Education Fall
(See description p. 115) (Permission) Mr. Parks
(To be offered in 1969–70 and in alternate years thereafter.)

TE 304 Problems and Methods of Education—Elementary Spring
Lectures, discussion and readings pertinent to the general background, current trends, problems and methods of contemporary elementary education. Includes observation and teacher aide work at the local elementary school. (Permission) Miss McGlynn

TE 314 Problems and Methods of Education—Secondary Spring
An introductory study of the role of secondary schools in contemporary American society: what purposes do they serve and how might those purposes be achieved; what problems and opportunities does free, public education present to teachers and their pupils? Students will also study methods of dealing with these problems as they develop in the classroom. For approximately one-quarter of the term, the class will divide into small colloquia of students planning to teach the same subject. Led by experienced teachers, these colloquia will discuss curricula; testing; textbooks and other instructional materials; and methods of teaching the particular subject or various aspects of it. (Permission) Mr. Freidin

Senior year:

TE 404, TE 405 Practice Teaching—Elementary Fall and Spring
This double course comprises a practicum of teaching at an assigned grade level 15 hours a week for 8 weeks, followed by a period of three days in which students assume full control of their classes. Each student's development as a teacher is followed closely by school and college personnel and accompanied by frequent conferences used to identify and discuss individual problems. A weekly seminar is held to study practical aspects of teaching in a way that draws upon student teachers' actual experiences.
(TE 304 and permission) Mrs. Gleason

TE 414, TE 415 Practice Teaching—Secondary Fall and Spring
A double course in which students spend between two and three hours a day at Middlebury Union High School, under the close supervision of the College Supervisor as well as an experienced teacher in the student's field. Each student observes classes for a minimum of 20 hours and teaches classes for 75 to 90 hours. Late in the term student teachers observe each other, assist with extra-curricular activities, and attend faculty meetings. Students also meet in seminars to discuss both practical and theoretical aspects of teaching. (TE 314 and permission) Staff

Junior or Senior year:

TE 500 Independent Study Fall and Spring
Independent written work of an advanced nature on contemporary or historical aspects of primary or secondary school education. (Permission)

General Information

NAMED AND ENDOWED SCHOLARSHIPS

The following is a list of endowed and other named scholarships offered to Middlebury students. Candidates for financial aid are cautioned that they should not make application for specific named grants. By applying for financial aid, an applicant will be considered for an award from the scholarships listed below or from the general scholarship fund.

THE CHARLES A. DANA SCHOLARSHIPS are available to qualified sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits during the freshman year. The scholarships range from an honorarium of $100.00 for those without financial need to the cost of tuition for those requiring such support. Each year approximately twenty new Charles A. Dana Scholars are selected. The Charles A. Dana Foundation was established in 1950 with the scholarship program as one of its significant activities. These scholarships are among the highest honors which are awarded to students.

STATE SCHOLARSHIPS. Through an annual appropriation of the Vermont Legislature, scholarships from $100 to $300 each are granted to State residents attending seven Vermont colleges of which Middlebury is one. The thirty Vermont senators are each privileged to award a number of scholarships at their discretion to undergraduates in the different institutions. The scholarships are for one year only but may be renewed. Application must be made in the spring directly to the Office of Financial Aid.

THE CECILE CHILD ALLEN STUDENT AID FUND. $85,910.00. The income to be awarded to one or more junior or senior women who need financial aid, and who are "the kind of women that Middlebury would be proud to see represent the College in the outside world." Awards are made under the authority of the women members of the Board of Trustees.

THE CORNELIA W. BAILEY FUND. $33,500. Established in 1929 under her will for students of the Protestant faith, residing in Vermont.

THE BALDWIN FUND. $28,122. Received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N.J., for men.

THE CESARE BARBIERI ENDOWMENT FUND. $45,000.

THE JOSEPH BATTELL SCHOLARSHIPS. $1,000 annually, for young women of Addison County.

EDWARD L. BOND JR. MEMORIAL SCHOLARSHIP. $11,582.63. Established in 1962 in memory of Edward L. Bond Jr. '62 by his parents and friends.

THE EZRA BRAINERD SCHOLARSHIP. $5,010. Established in 1961 by gift of Ezra Brainerd, Jr. in memory of his father, Ezra Brainerd, Class of 1864, President of Middlebury from 1885–1908. Income is used to aid a deserving student, preferably one who is a resident of Vermont.

THE ELBERT S. AND ANNA H. BRIGHAM SCHOLARSHIP FUND. $474,505.58. Established in 1953. Income to be used for scholarship awards to deserving men or women students who are residents of the State of Vermont. Tenable for four consecutive years.

THE CHARITABLE SOCIETY FUND. $4,012. Established in 1832, for men:

KAY CORRIGAN SCHOLARSHIP FUND. $1,000.00. Established in 1966 by a bequest under the will of Miss Agnes T. Danehy. Income to be used for scholarship awards to deserving women students in the College who exemplify the character of Kay Corrigan, '56; first preference being given to members of the Delta Delta Delta Sorority.

THE ANNIE L. COX SCHOLARSHIP FUND. $2,500. Established for "a worthy student manifesting decided ability in some line of study, preferably a student of Italian parentage."

GEORGE C. DADE '15 MEMORIAL SCHOLARSHIP FUND. $25,000. Established in 1965 by the gift of Mrs. George C. Dade to provide scholarship aid for worthy young men and women.

THE WILFRED E. DAVISON SCHOLARSHIP FUND. $1,632. Established in 1936 by bequest of Frank P. Davison of Cabot, for men.

THE DR. RALPH B. DELANO SCHOLARSHIP FUND of $10,000. Established in 1950. Subject to a reservation of life income.

DELTA KAPPA EPSILON SCHOLARSHIP FUND. $5,823.05. The income to be awarded to a member of the Delta Kappa Epsilon Fraternity at Middlebury College.

CONSTANCE BARKER DISS STUDENT AID FUND. $249,689.50. Established in 1967 by a bequest under the will of Mrs. Constance Barker Diss, 1900. Income to be used for financial aid to deserving students.

THE ERWIN EWALD DROST MEMORIAL FUND. $750.00. Established in 1944 by Mrs. Marguerite Jahr, Mrs. Winnie Wiesenthal, Mrs. Clara Comstock, and Miss Emma C. Drost, in memory of their brother, Erwin Ewald Drost, class of 1924.

DEAN S. EDMONDS SCHOLARSHIP FUND. $38,198.02. Established in 1953. "Income from fund to be used by Middlebury College as it shall determine as financial aid to students at Middlebury College, giving preference to male students and to students of the sciences, more particularly physics, including electronics."

GRACE M. ELLIS SCHOLARSHIP FUND. $3,334.12. Established in 1966 by the Worcester County Alumnae Association in memory of Grace M. Ellis. Income to be used each year for a scholarship award to a woman undergraduate with preference to a woman from Worcester County, Massachusetts.

THE FAIRBANKS SCHOLARSHIPS. $2,000. Established by Thaddeus Fairbanks, Esq., of St. Johnsbury, for men:

ROLLO J. FRANCISCO SCHOLARSHIP FUND. $17,919.70. Established under the will of the late Rollo J. Francisco of Rutland, Vermont, in 1951.

E. CHESTER "BEN" FRANKLIN '21 SCHOLARSHIP. $20,000. Established in 1962 by Miss Helen A. Franklin in memory of her brother. First preference is to be given to descendants of Ernest Chester Franklin and then to undergraduates maintaining high academic standards and participating in the athletic program of the College.

EBEN J. FULLAM SCHOLARSHIP. $10,000. Given in memory of Eben J. Fullam of the class of 1895 by Mrs. E. J. Fullam of Springfield, Vermont.

ALICE BROOKS FULLER SCHOLARSHIP FUND: $15,000, "to aid worthy women preferably from Worcester County, Massachusetts."

JOHN HAMILTON FULTON SCHOLARSHIP FUND. $314,784.88. ESTABLISHED in 1964. Income to be awarded as named scholarships for young men who are graduates of Athens College, Greece, and for young men of Scottish parentage who are graduates of schools located in Scotland.

The William W. Gay Fund. $5,000. Established in 1929 by the gift of Mrs. Frederic F. Van de Water, Jr., in memory of her father, William W. Gay, class of 1876.

Edward N. Gosselin Scholarship Fund. $6,225.90. Established in 1966 by Edward N. Gosselin, '15. Income to be used for scholarship awards to a senior or junior, or both, with priority to candidates from first: Rutland County, Vermont, second: State of Vermont, and third: State of Illinois.

Charles Emerson and Nellie Blakely Harris Memorial Scholarship Fund. $2,000.00. Established in 1965 by H. Blakely Harris in memory of his grandparents. Income to be used for scholarship awards to worthy students.

The Homer and Katherine Harris Fund. $3,000.00. Established in 1965 by Mr. and Mrs. Homer B. Harris, '20 and '18, subject to reservations of life income, after which principal will be added to the Charles Emerson and Nellie Blakely Harris Memorial Scholarship Fund and the income used by and in support of the College for scholarship awards to worthy students.

Joel B. Harris Scholarship Fund. $23,000. Made available in 1937 under an annuity contract with Charles P. Harris, for the benefit of male students of the College.

Benjamin L. Haydon Scholarship Fund. $56,831.12. Bequest under the will of Elsie Haydon Cornell. "Income to be used by Middlebury College for scholarships." Benjamin L. Haydon graduated from Middlebury College in 1897.

The Charles B. R. Hazeltine Fund. $14,043.35. Established in 1923 "for assisting worthy students."

Richard A. Heine Memorial Scholarship Fund. $3,775.00. Established in 1964 in memory of Richard A. Heine '64 by his parents and friends to assist a deserving undergraduate at Middlebury to complete his education.

The Waldo H. Heinrichs Scholarship Fund. $10,385.50. Established in 1956, the income to be awarded to a man or woman in the sophomore year for use in the junior year.

Frank B. Hickox Memorial Scholarship Fund. $5,260.40. Established in 1965 by Miss Charlotte Hickox, '45, in memory of her father. Income to be used for scholarship awards as a part of the general scholarship program until the principal reaches $10,000.00. Thereafter, scholarship awards will be identified as being in memory of Mr. Hickcox.

The John A. Howe Scholarships. $3,000. Bequeathed by John A. Howe, Esq., class of 1853; the income first available for his descendants, and then under certain conditions for students from Poultney.

Christian A. Johnson Memorial Scholarship Fund. $50,000. Established in 1964, for upperclass students with preference being given to those majoring in Economics.

The Frederica V. Jones Scholarship. $10,000. Established in 1950. The gift of Vanderbilt Webb and Cyril H. Jones. Income to be annually used as a scholarship for the benefit of any man or woman who may in the judgment of the college authorities "be deserving of this award."

The Kappa Delta Rho Scholarship Fund. $4,257.23. For worthy male students of the two upper classes majoring in science or mathematics, with preference being given to members of the Kappa Delta Rho Fraternity.

Joseph P. Kasper Scholarship. $25,235.00. Established in 1962 by the directors of the Associated Merchandising Corporation to honor Joseph P. Kasper '20 on occasion of his retirement from that Company as Chairman of the Board. Income awarded annually in equal amounts to an undergraduate man and woman with the provision that 60% of the award be a scholarship and 40% be a student loan repayable after graduation.

THE SANFORD H. LANE MEMORIAL SCHOLARSHIP FUND. $2,000. Established in 1945, for men students.

THE TED LANG, JR. MEMORIAL SCHOLARSHIP FUND. $16,000. Established in 1945 by Mr. and Mrs. Fred P. Lang of the Classes of 1917 and 1915, in memory of their son who lost his life on the battlefield in France during World War II. Income to be awarded annually to a man in his Senior year who has had to work to assist himself in acquiring his education and who has made a contribution to his College in extra-curricular activities, preferably athletics. It is the donors' intent that the award permit less financial burden on the awardee in his senior year in recognition of his determination to obtain his Middlebury degree as evidenced by his own effort and initiative.

THE LITERARY FUND. $740. Established in 1835, for men.

ROBERT J. MARONY FUND. $122,925. Income to be used annually for the support of education at Middlebury for underprivileged young men and women of the United States.

GERTRUDE CORNISH MILLIKEN SCHOLARSHIP FUND. $14,655.91. Established in 1964 by gifts of the Middlebury Alumnae Association and Alumnae clubs to honor Mrs. Gertrude Cornish Milliken '01. Income to be awarded to undergraduate women.

THE LEVI P. MORTON SCHOLARSHIP. $2,000. Established by Hon. Levi Parsons Morton of New York City, for men.

THE NEW JERSEY STUDENT AID FUND. $400. For men from New Jersey.

SIDNEY NORDENSCHILD, SR., SCHOLARSHIP FUND. $5,083.00. Established in 1967 by the partners of Sidney Nordenschild, Sr., to honor his fifty years with the company and his sixty-fifth birthday. Income to be used for scholarships.

THE HEWITT PAGE SCHOLARSHIP FUND. $1,471.17. Established in 1964 by the gift of Hewitt E. Page '33. Income to be added to principal for first five years, after which it shall be used with restrictions under the direction of designated college officials.

THE PENFIELD SCHOLARSHIP. $1,000. Established by Allen Penfield, Esq., of Burlington, for men.

THE DANA G. PIERCE SCHOLARSHIP FUND. $8,012.50. Established in 1951. "For men students from Rutland High School."

WILLIAM H. PORTER MEMORIAL SCHOLARSHIP. $10,000. Income to be used for a tuition scholarship. Established by Helen Porter Pryibil in 1950.

THE PRESIDENT'S PURSE. $33,272.71. Established by the late Charles M. Swift, Esq., the income to be disbursed at the discretion of the President.

THE FREDRIKA PROCTOR FUND. $25,000. Established in 1956, the income to be awarded as a named scholarship, to an undergraduate studying French, by the Scholarship Committee.

JUSTIN RICKER FUNDS #1, #2, #3, #4, #5, #6, #7, #8, #9, #10, and #11. Established by Justin M. Ricker '06 subject to reservations of life income, after which the income of these funds is to be used for scholarships for male students from Bridgeport, Connecticut, or Waterbury, Vermont, or both.

THE RICHARD A. ROSBECK MEMORIAL SCHOLARSHIP FUND. $6,271.50. Established in 1968 by gifts of his family and friends in memory of Richard A. Rosbeck '61 who was killed on military service in Vietnam. Income to be used each year for scholarship aid to a worthy, qualified athlete who, in addition to financial need, displays drive and determination for personal as well as team excellence in Middlebury athletics.

THE ELEANOR S. ROSS SCHOLARSHIP FUND. $11,157.95. Established by Middlebury Alumnae Association in memory of Dean Eleanor S. Ross Thomas. Awarded annually to

a Middlebury senior woman and based equally on the scholarship, need, and all-around merit of the recipient.

The John W. Rowell Fund. $2,000. Established by the late Chief Justice Rowell.

The A. Bayard Russ Memorial Scholarship Fund. $3,859.65. Established in 1968 by gifts of Louise Tunnicliff '67, his parents and friends in memory of A. Bayard Russ '66 who was killed in military action in Vietnam. Income to be used each year for a scholarship award to a deserving boy showing athletic ability, willing to serve his campus in at least two non-scholastic activities, maintaining at least a 70 average and representing Middlebury with the distinctive qualities of leadership and service exemplified by A. Bayard Russ '66.

The Henry W. Schuettauff Scholarship Fund. $1,000. Established in 1968 by Henry W. Schuettauff '27.

George Robert White Scott (Class of 1864) Scholarship. $99,491.76. Established by bequest of Dr. George Dow Scott, Class of 1895, for students of high character, irrespective of creed, color, race, or scholarship standing, preference to be given first to a student or students belonging to Alpha Mu, Chi Psi, and then to a student or students of North American Indian, Chinese or Japanese descent.

The Lynde Selden Scholarship Fund. $27,500. Established in 1967 by the bequest of Mrs. Lynde Selden to honor her husband, Lynde Selden LL.D. (Hon.) 1961.

The Bezeliel Smith Fund. $1,000. Established in 1893, for men.

Lucy S. Smith '18 Scholarship. $39,800.00. Established in 1961 for needy and deserving students.

The Jonathan Coleman Southmayd Scholarship Fund. $28,600. Established by the late Hon. Redfield Proctor, in 1922, its income first available for students (men or women) from Proctor.

The A. P. Stafford Fund. $1,000. Established "to assist needy students from Wallingford to an education."

The John Wolcott Stewart Fund. $25,000.00. Established in 1956 by the late Philip B. Stewart in memory of his father, the income to be awarded to one or more male students in need of financial aid who, having completed one or more years' courses, have shown themselves to be of good character and worthy of continued enrollment in college.

The W. J. Stone Fund. $50,000. Established in 1965 by bequest of Wilfred J. Stone, '02, the income to be used to assist Vermont male students at Middlebury College with preference to graduates of Vergennes High School or Vermont Academy.

The Subscription of 1852. $25,000. For men.

Agnes Warner Sunderland Fund. $3,000. Established by Edwin S. S. Sunderland, Esq., class of 1911, the income from which is first available for the assistance of students from Cornwall.

The Arthur Gould Tasheira Fund. $25,000, the income to be used as far as possible to provide scholarships for worthy and deserving students.

Thomas G. Thompson Scholarship Fund. $3,500. In memory of Frank Genung Thompson and Mrs. Alma C. Dow to provide two equal scholarships, one for a young man preparing for the protestant Christian ministry, and the other a young woman.

The Ludgar J. Toussant Fund. $420.41. Established by the class of 1920 in memory of their classmate—Ludgar J. Toussant—killed in World War I.

The K. P. Tsolainos Memorial Scholarship Fund. $75,000. Established in 1968

by The K. P. and Phoebe Tsolainos Foundation, Inc. in memory of K. P. Tsolainos, LL.D. (Hon) 1964. Income to be used for scholarships for students majoring in economics or history with preference to young people of Greek descent.

The Herbert K. Twitchell Fund. $2,000. Established in 1929 by a bequest received under the will of Mr. Twitchell for students from Vermont, preferably Addison County.

The James M. Tyler Fund. $1,000. For students from Vermont.

Bessie Clarinda Verder '98 Memorial Fund for Women Students. $1,000. Established by Blanche Avaline Verder in memory of her sister.

The Voter Memorial Scholarship Fund. $1,325.00. The income to be used for scholarship purposes, in memory of Professor P. C. Voter, formerly Chairman of the Chemistry Department.

The Waldo Fund. $10,010.00. Established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston, for men.

The Phoebe Kasper Wallach '49 Memorial Scholarship Fund. $4,270.00. Established in 1968 by gifts of her parents, Mr. and Mrs. Joseph P. Kasper '20, and friends in memory of Phoebe Kasper Wallach '49. Income to be used each year for scholarship award to an able and deserving girl.

The Warren Fund. $3,000. Given in 1835 by bequest of Deacon Issac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel ministry.

The Asa Wheelock Scholarships Fund. $5,000. Established under the will of Charles B. R. Hazeltine of Arlington, Mass., the income first available for protestant students from the town of Wardsboro, and then from other small country towns in the State.

The Albert Henry Wiggin Memorial Scholarship Fund. $27,500. Established in 1967 by the bequest of Mrs. Lynde Selden in memory of her father, Albert Henry Wiggin, trustee of Middlebury from 1922–1950.

The Emma Willard Scholarship. $2,000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women. The holder of this scholarship receives a supplementary scholarship bringing the total up to $350. For seniors only.

The Windham County Congregational Scholarship Fund. $2,000. Established in 1951. "Income first available for students proposed by the Conference."

The Harriet B. Winsor Scholarship Fund. $10,000. Established under the will of Harriet B. Winsor, of Springfield, Mass., in 1950. One-half income to provide a scholarship for men and one-half income to provide a scholarship for women.

The Charles Baker Wright Scholarships. $50,000. Established in 1949. Income from fund to provide two full tuition scholarships to be awarded annually to a man and a woman in the senior class.

The Marion L. Young Scholarship Fund. $10,000.00. Established by the Middlebury Alumnae Association in 1940. Income awarded annually to the freshman woman outstanding in scholarship, personality and athletics.

General Student Scholarship Fund. $26,125.00. The aggregate of gifts from friends to be used in making loans to students, originating with a gift from Prof. Wm. W. Eaton of $25 in 1911. Income from Fund may be used for scholarships.

The Henry Francis Barrows Scholarship Fund. $1,050. Annually from the

Boston Safe Deposit and Trust Company as trustee under the will of Fanny Barrows Reed.

THE CHARLES A. DANA SCHOLARSHIPS. See page 124.

THE FRENCH GOVERNMENT SCHOLARSHIP. $250. Awarded annually to a student majoring in French and living at the Château or Men's French Residence on the basis of scholarship, character and personality.

EDWIN GOULD FOUNDATION SCHOLARSHIPS. Established by the Edwin Gould Foundation for Children. A four-year grant awarded annually to deserving students.

THE HUGUENOT SOCIETY SCHOLARSHIP. $1,000 annually. Available to students, on recommendation by the College, whose Huguenot ancestry meets the requirements of the Sponsoring Society. Special application forms are available from the Office of Financial Aid.

THE KEMPER FOUNDATION SCHOLARSHIPS. $1,000 awarded to a man in each class by the Kemper Foundation to aid worthy students interested in careers in insurance.

THE AGNES M. LINDSAY AWARDS. $8,000. Annually from the Agnes M. Lindsay Trust, allocated by the College Trustees to scholarships for men and for women.

CHARLES IRWIN TRAVELLI SCHOLARSHIPS. Established by the Charles Irwin Travelli Fund. A four-year grant awarded annually to several deserving students who are U.S. citizens, in the top half of their class in secondary school and participated in extra curricular activities.

THE ALBERT HENRY WIGGIN MEMORIAL SCHOLARSHIP. $2,400. Established by the Albert H. and Jessie D. Wiggin Foundation. A four-year full tuition scholarship awarded to deserving students.

THE SYLVIA WESTIN WURTS MEMORIAL SCHOLARSHIP. Awarded each year to a woman student from the Hartford, Connecticut, area. Apply to: Alumnae Secretary, Middlebury College.

LOAN FUNDS

ALPHA SIGMA PHI MEMORIAL FUND. $12,128.76. Established in 1966 as a revolving loan fund for worthy and needy male students at the College, in memory of those brothers in Alpha Sigma Phi of Middlebury College who lost their lives in World Wars I and II.

REID L. CARR AND ELEANORA F. CARR REVOLVING LOAN FUND. $11,284.79. "To help deserving students."

JOEL B. HARRIS STUDENT LOAN FUND. A revolving fund of $7,355.42 for loans to Middlebury students.

HAZELTINE STUDENT LOAN FUND. $2,500, received in 1923 under the will of Chas. B. R. Hazeltine and his sister, Harriet S. Hazeltine, of Arlington, Mass., "the income only to be used as a loan fund in assisting students in Middlebury College."

ELAM R. JEWETT STUDENT LOAN FUND. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to men students of the College."

MARTHA JEWETT NASH STUDENT LOAN FUND. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to women students of the College."

WILLIAM H. PORTER STUDENT LOAN FUND. $10,140, an unconditional legacy received in 1927 under the will of William H. Porter of New York. By action of the trustees it was made the William H. Porter Student Loan Fund, the principal to be safely invested and

kept intact, the interest therefrom and accretions thereto to be used for making loans to worthy men students from Vermont—first consideration being given to those from Addison County.

JUSTIN M. RICKER FUND. $3,387.91. Established in 1956 by Justin M. Ricker, '06.

EMMA HARDY SLADE STUDENT LOAN FUND. $3,097.77. A revolving loan fund for both men and women, but with preference given to women. Established in 1961 by the National Society of New England Women, in honor of its founder.

PRIZES AND AWARDS

There are many generous prizes and awards for which students may compete in various ways.

CHARLES B. ALLEN MEMORIAL PRIZE. In memory of "Corky" Allen, '62. Income from $3,985.75. Awarded to the senior man who has excelled in the fields of biology, chemistry and/or physics, and who by his participation in athletics and other student activities has contributed to the spirit of Middlebury.

BISHOP ATWOOD HISTORICAL PRIZE. Income from $305.79. Awarded to the man who does the most distinguished work in history. Established in 1938 by Julius W. Atwood, 1878, Bishop of Arizona, 1910–1925.

BYRON E. BERMAS, JR., PRIZE. Income from $500. Awarded to a man or woman in the senior class who has done outstanding work in Geography.

BERWICK MEMORIAL TROPHY. In memory of John Frederick Berwick, Jr., Class of 1954, given by Beta Pi of Phi Kappa Tau. "An honor voted annually to the most valuable male intramural athlete who has shown outstanding qualities in performance, leadership, and good sportsmanship."

DEACON BOARDMAN PEACE PRIZE. Income from $2,189.33. Awarded to a member of the junior class submitting the most creditable literary essay of at least 2,000 words in favor of peace and in opposition to war as a method for settling international differences. In memory of Samuel Ward Boardman, Professor of Rhetoric and English Literature, 1859–1861.

THE BLUE KEY TROPHY. An honor voted annually to the freshman who, by his performance, example, and influence as an athlete and as a man has done the most to advance the cause of sportsmanship, and the spirit of his class and College. Established by Blue Key, 1948.

BARBARA BUCHANAN MEMORIAL AWARD, in memory of Barbara J. Buchanan '62. Income on $1,633. Awarded to the senior woman who most fully represents Barbara Buchanan's academic excellence and ideal of service.

REID L. CARR PRIZE. Income from $1,500. Awarded to the male member of the senior class who has shown the greatest proficiency in English Literature.

GEORGE H. CATLIN PRIZE. The annual income, not exceeding $1,000, on a fund established by the will of George H. Catlin in 1930, awarded annually to the student who completes the full A.B. "classical" course, showing the highest grade for scholarship and deportment. Established in 1918 by George H. Catlin, Hon. LL.D. 1920, Pennsylvania banker.

GEORGE H. CATLIN CLASSICAL PRIZE FUND. Income from $1,000. Awarded to a man in the senior class whose college work in Greek and Latin is adjudged worthiest of distinction.

GEORGE H. CATLIN FUND. Income from $7,615.74. Established by the will of George

H. Catlin, in 1951. Awarded each year to the student who has completed with the highest average the full four-year "classical" course, including preferably some study of Latin and Greek.

Eaton Prize. Income from $1,000. Awarded to the student who in the opinion of the President and the Faculty has maintained the highest standing in the Classics.

George Ellis Fellowships. Two fellowships, each with an annual value of over $2,000, were established at Columbia University in 1931, under a provision in the will of George W. Ellis, to be open primarily to residents of Vermont or to the graduates of Middlebury, Norwich, and the University of Vermont. The fellowships are awarded to qualified men or women for pursuing advanced or graduate study in any of the faculties or schools at Columbia. Information on this fellowship may be secured from the President's Office.

Harry M. Fife Memorial. Income from a fund of $912.77, established in memory of Harry M. Fife, Professor of Economics, 1925–50.

Maude Violet Graybar American History Prize. Established in 1966 by Lloyd J. Graybar '60 in memory of his mother, Maude Violet Graybar. Income on $500 awarded annually to the student who writes the best honors thesis in American History since 1860 or, at the discretion of the departmental chairman, to the Senior student who has displayed the greatest proficiency in American History since 1860 during the four undergraduate years.

Hazeltine-Klevenow Cup. Awarded to a man in any of the four classes who has best combined ability in athletics and excellence in scholarship. The name of the recipient is placed on the cup as a permanent record, and a replica of the cup is presented to the winner. Established by Marshall M. Klevenow, Middlebury coach, 1925–1928, and Burt A. Hazeltine, Dean of Men, 1926–1938.

Kellogg Latin English Prize. $25. and $15. Awarded for the two best examination papers on Horace. Established by Brainerd Kellogg, Professor of Rhetoric and English Literature, 1861–1868, and trustee, 1885–1920.

Edwin Winship Lawrence Prizes. Income from $13,140.34. Awarded to three students adjudged by the English Department to exhibit the greatest proficiency in debating. Established in memory of the donor's father, George Edwin Lawrence, 1867, Vermont lawyer.

Edwin Winship Lawrence Prizes. Income from $2,000. ($1,000 of this fund is held by the University of Vermont.) Awarded to four debaters participating in the annual debate between the University of Vermont and Middlebury. The winners are the best four in the two teams. Established by E. W. Lawrence.

Edwin Winship Lawrence Prize. $120. Awarded annually to the freshman or sophomore showing the greatest improvement in debating proficiency. Appropriated from the income of the Edwin Winship Lawrence Fund For Developing and Improving Debating to encourage freshman and sophomore students to engage in debating.

Rose Martin Spanish Prize of $25. Awarded to that woman graduating with a Spanish Major, named by the Department of Spanish for her outstanding performance in the major area. Established in May 1961 by the Manhattan Middlebury Alumnae Association.

Merrill Prizes. $30, $25, $20, $15. Awarded to four students adjudged best speakers in a contest of students. Established in 1882 by Thomas A. Merrill, Middlebury pastor, 1805–1842, and trustee, 1806–1852.

Mortar Board Cup. Awarded to a sophomore woman who in the opinion of the Chapter has shown the greatest interest in College by participation in extracurricular activities and by attainment of high scholarship. Established by Mortar Board.

Optima Prize $200. Awarded to the junior woman who by vote of her class is considered most typical of Middlebury, as shown in character, scholarship, and personality. The winner also receives a gold emblem. Established in 1929 in memory of Henry Hobart Vail, 1860, trustee 1893–1925, by Mr. and Mrs. Roger S. Baldwin in appreciation of the benefits derived by their daughter Catherine (Mrs. Catherine Baldwin Blanke) during her undergraduate years at Middlebury.

Mildred Virginia Osher History Prize. Established in 1963 by Lloyd J. Graybar '60 in memory of his aunt, Mildred Virginia Osher. Income of $500. Awarded annually to the student who writes the best honors thesis in history or, at the discretion of the departmental chairman, to the senior student who has displayed the greatest proficiency in the study of history during the four undergraduate years.

Parker Prizes. $50 divided. Awarded to students, adjudged best speakers in a contest of students. Established in 1807 by gift of Daniel Parker, French merchant and landlord, and by Frederick Hall, Professor of Mathematics and Natural Philosophy, 1805–1824.

John P. Stabile Memorial Cup. Awarded to the athlete who best exemplifies the Middlebury spirit. Established in memory of Lt. John P. Stabile, '40, killed in action, Guadalcanal. Established by Lt. John F. Hogan, '41.

Mary Dunning Thwing Prize. Income of $1,500. Awarded to a woman student who in her junior and senior year has done the best work in English composition, prose and poetry. Established by Charles F. Thwing, President of Western Reserve, in memory of his wife, Mary Dunning Thwing.

Alice J. Turner Memorial Trophy. Awarded each year to a member of the varsity basketball team.

Wetherell Prizes. Income from $1,285.20. Awarded to the two men showing the greatest interest and proficiency in debating. Established by friends in 1922 as a memorial to Archibald D: Wetherell, Assistant Professor of History, 1908–1916.

Franklin G. Williams '13 and Sara H. Williams '12 Memorial Award. Income from $1,000 to be awarded to a young man or woman in the sophomore class, on the basis of deep human qualities of natural kindness, perceptivity of the needs and feelings of others, and an abiding sense of personal responsibility.

Woolsey Prizes. Income from fund of $1,286.51. Awarded to the two undergraduates writing the best examinations in Bible. Established in 1933 by Theodore S. Woolsey, trustee, 1922–23.

ENDOWED LECTURESHIPS

Julian W. Abernethy Lecture. Established in 1928 under the will of Julian W. Abernethy, Class of 1876. A writer of distinction is annually invited to address the College upon some aspect of American literature in commemoration of the birthday of Dr. Abernethy, founder of the Abernethy Library.

William H. Edmunds '17 Memorial Lecture. Established by Vermont Transit, Addison and Chittenden Trust Companies in memory of William Edmunds. Income may be used to provide a lecture on the Middlebury campus in the Social Sciences.

Charles S. Grant Memorial Lecture. Established by friends in memory of Professor Grant to provide an annual lecture in History.

Samuel S. Stratton Lecture. Established by 1962–63 gifts to the Parents' Fund to honor Dr. Stratton at the time of his retirement as the eleventh President of Middlebury, to provide an expanded program of visiting lectures on the Middlebury campus.

Class of 1914 Lecture. Established by an anonymous member of the Class of 1914, to provide an annual lecture on Science and the Humanities.

The John Hamilton Fulton Memorial Lectures. Given anonymously. To establish lectures, performances and extended visits to the Middlebury campus by distinguished scholars, artists and performers.

The Willard Duncan Carpenter '14 Memorial Lecture. Established by Mrs. Ethel G. Storm, Class of 1916, in memory of her first husband. For an annual lecture in economics by a visiting economist from a leading university, industry or government.

Attendance Statistics

FALL TERM 1968–69

GEOGRAPHICAL DISTRIBUTION

United States and Possessions	Men	Women	Total
New York	221	138	359
Massachusetts	165	85	250
Connecticut	97	64	161
New Jersey	91	64	155
Vermont	46	34	80
Pennsylvania	33	38	71
Ohio	29	19	48
Maryland	11	24	35
Maine	16	14	30
Minnesota	23	7	30
California	18	8	26
New Hampshire	15	11	26
Colorado	12	12	24
Virginia	9	15	24
Illinois	16	6	22
Rhode Island	7	11	18
Washington	7	8	15
District of Columbia	3	11	14
Michigan	7	3	10
Missouri	5	5	10
Wisconsin	5	4	9
North Carolina	3	4	7
Arizona	3	2	5
Hawaii	4	1	5
Texas	1	4	5
Florida	2	2	4
Georgia	0	4	4
Iowa	2	2	4
Kentucky	3	1	4
Tennessee	0	4	4
Alaska	1	2	3
Alabama	0	3	3
Delaware	1	2	3
Kansas	0	3	3
Louisiana	1	2	3
Oklahoma	0	3	3
Oregon	1	2	3
West Virginia	1	2	3
Indiana	2	0	2
Montana	1	1	2
Idaho	1	0	1
Nebraska	1	0	1
New Mexico	1	0	1
Puerto Rico	0	1	1
South Carolina	1	0	1
Utah	0	1	1
Virgin Islands	0	1	1

Outside United States	Men	Women	Total
Canada	17	14	31
England	3	4	7
France	1	3	4
Greece	3	0	3
Italy	2	1	3
Lebanon	1	2	3
Switzerland	0	3	3
Belgium	1	1	2
Japan	2	0	2
Mexico	1	1	2
Nigeria	1	1	2
South Africa	2	0	2
Afganistan	0	1	1
Chile	1	0	1
Colombia	0	1	1
Denmark	1	0	1
Honduras	1	0	1
Panama	1	0	1
Peru	1	0	1
Philippines	0	1	1
Saudi Arabia	0	1	1
Sweden	0	1	1
Turkey	0	1	1
Zambia	1	0	1
	906	664	1570

ATTENDANCE BY CLASSES

Undergraduates	Men	Women	Total
Seniors	193	110	303
Juniors	180	139	319
Sophomores	234	170	404
Freshmen	288	243	531
	895	662	1557
Special Students	1	2	3
Graduate Students	10	0	10
	906	664	1570

GENERAL SUMMARY

Regular Session	Total
Undergraduates	1557
Special Students	3
Graduate Students	10
	1570
Graduate School of French in France, 1968–69	67
Graduate School of German in Germany, 1968–69	33
Graduate School of Italian in Italy, 1968–69	29
Graduate School of Spanish in Spain, 1968–69	87
Language Schools, Summer 1968	1096
Bread Loaf School of English, Summer 1968	206
Writers' Conference, Summer 1968	209
	3297
Less: Counted twice	—175
	3122

HISTORICAL EVENTS

1761	Nov. 2	Charter of the town of Middlebury granted from New Hampshire.
1766	June	John Chipman clears first "pitch" in Middlebury.
1773	June	First log house built in town by Benjamin Smalley.
1777	Jan. 15	Vermonters make Declaration of Independence from New Hampshire.
1778	Nov.	Settlement of Middlebury completely plundered by British.
1783	Apr. 3	First permanent settlement made in town.
1791	Mar. 4	Vermont admitted to the Union.
1796	Oct. 25	Present site of College Campus annexed from town of Cornwall.
1797	Nov. 8	Addison County Grammar School chartered by the State Legislature.
1798	Sept. 30	Timothy Dwight visits Middlebury and a plan for starting Middlebury College is discussed.
1800	May	Female Academy established.
	Nov. 1	College charter granted by State Legislature and Jeremiah Atwater elected first President.
	Nov. 4	First Trustees' Meeting.
	Nov. 5	First students admitted.
1802	Aug. 18	First College Commencement. One student, Aaron Petty graduated.
1806	Aug. 21	Professorships of Natural Philosophy and Law created.
1807	July	Emma Hart elected Principal of the Female Academy.
1809	May 31	Congregational Church dedicated.
	Aug. 16	Jeremiah Atwater resigns; Henry Davis elected President.
1810	Aug. 15	First Professorship of Languages established.
1811	Sept.	Great religious revival in College.
1816	Mar.	Painter Hall opened to students.
	Aug. 22	Professorship of Divinity established.
1817	Oct. 6	President Henry Davis resigns.
	Oct. 7	Joshua Bates elected President.
1819	May 21	Gamaliel Painter dies, bequeathing most of his estate to Middlebury.
1820	Aug. 16	Middlebury adopts Castleton Medical School.
1822	Dec.	Private French School opened in Middlebury by John B. Meilleur.
1824	Aug. 18	Alumni Association formed.
1827	Dec. 4	Mechanical Association for "promoting systematical bodily exercise" started.
1830	Oct. 28	First issue of *The Undergraduate* published.
1833	July	*The Philomathesian*, undergraduate literary magazine, first published.
1835	Aug. 20	Chair of English Literature and Education founded.
1836	Aug.	Old Chapel completed.
1839	Jan.	Great religious revival ends disastrously.
	Mar. 18	Inauguration of the Professors.
	Sept. 4	President Joshua Bates resigns.
1840	Apr. 20	Morning chapel is changed from 5:30 to 5:00.
1841	May 18	Benjamin Labaree inaugurated President.
1842	Dec. 2	First Forefather's Day celebrated at Middlebury.

1843	Nov. 26	Middlebury Chapter of Chi Psi founded.
1859	Apr. 15	First athletic field planned.
1860	Nov. 1	Cornerstone for Starr Hall laid.
1861	Mar.	Gymnasium opened for College and town.
	Apr.	Full company of students enlist.
1864	Dec. 25	Starr Hall burned.
1865	Aug. 8	President Benjamin Larabee resigns.
1866	Jan. 2	Harvey D. Kitchel elected President.
	June	Bread Loaf Inn opened.
1868	Aug. 7	Phi Beta Kappa charter granted to Middlebury.
1873	July	President Harvey Kitchel resigns.
1875	June 8	Calvin B. Hulbert elected President.
1876	Mar.	First issue of the "second" *Undergraduate* published.
1880	Aug. 23	Cyrus Hamlin elected President.
1881	Sept. 27	Formal opening of Library in North Painter Hall.
1883	Sept. 13	First women enter Middlebury.
1885	July 1	President Cyrus Hamlin leaves office.
1886	Apr. 17	Ezra Brainerd elected President.
1888	Mar. 16	College snowbound in 10 to 15 foot drifts.
	Nov. 24	State Legislature gives first financial assistance to College—$1200 for scholarships.
1889	Nov.	First Glee Club formed.
1890	June	Elective system established.
1891	Sept. 10	Battell Hall, first women's dormitory, opened.
1893	Oct. 21	First organized College football practice.
1895	June	Board at Battell Hall raised to $3.50 per week.
1897	July 13	Fund for Chair of Political Economy and International Law established.
1900	July 3	Starr Library dedicated.
1902	Dec. 4	Women's College at Middlebury established.
1908	Oct. 17	President Ezra Brainerd resigns and John Thomas elected President.
1909	May	Joseph Battell donates women's campus.
	July 7	First Summer School session opened.
1911	June	Pan-Hellenic council is created.
1912	Mar. 9	Alumnae Association formed.
	May	Women's Athletic Association organized.
1915	Feb. 23	Joseph Battell dies, leaving to the College a mountain campus of over 30,000 acres.
	June 29	German Summer School opened.
1916	July 8	French Summer School opened.
1917	May 6	College closes to permit students to enlist.
	June 30	Spanish Summer School opened.
	Sept. 26	*Campus* becomes a weekly newspaper.
1918	Oct. 25	S.A.T.C. programs for Artillery, Air, Chemical Warfare, and Transport Service adopted.
1920	June 30	Bread Loaf School of English opened.
	Sept. 20	Maison Française, one of the first in America, opened at Logan House.
1921	Jan. 28	President John Thomas resigns.
	July 28	Paul D. Moody elected President.
1922	Nov. 22	Black Panther adopted as College mascot.

1923	Feb. 22	Middlebury's first winter carnival.
	Sept.	Department of American Literature established.
1926	June 5	First Alumni *News Letter* published.
	Aug. 16	First Writers' Conference opened.
1931	May 6	General examination system adopted by faculty.
	June 14	Bread Loaf fire.
	July 6	German Summer School reopened.
1932	July 1	Italian Summer School opened.
1941	Aug.	Old Chapel becomes Administration Building.
1942	Feb.	College goes on wartime schedule.
	June 1	President Paul D. Moody retires; Dr. Freeman Acting President.
1943	Jan. 6	Samuel S. Stratton inaugurated as President.
	July 1	College adopts an accelerated three-term calendar.
	July 1	Navy V-12 unit of 500 men established at the College.
1945	June 29	Russian Summer School opens.
1947	July 1	First women elected to the Board of Trustees.
	Nov. 7	Fifty meter ski jump at Snow Bowl completed.
1949	June 11	World War II Memorial Field House dedicated in honor of the 62 men killed in action and the 1390 men and women who served in the Armed Forces.
	Oct. 1	Graduate School of French in France established in Paris.
1950	Sept. 30	Sesquicentennial Celebration
	Sept. 30	Dedication of Lang Field.
	Nov. 25	The hurricane.
1951	Oct. 1	Graduate School of Spanish in Spain established in Madrid.
1952	Feb. 25	Pres. Stratton leaves for a year as Point Four Director in Saudi Arabia. Vice President Freeman in charge.
	Sept. 18	R.O.T.C. unit established.
1953	Dec. 23	College Playhouse destroyed by fire.
1954	Mar. 18	Gifts from Wilks Estate total $2,454,399.
1957	July 1	Endowment and Accomplishment Grants from Ford Foundation total $549,500.
1959	Oct. 15	Graduate School of German in Germany established in Mainz.
1960	Sept. 19	Ford Foundation Grant of $111,500 for Teacher Training Program.
	Oct. 1	Graduate School of Italian in Italy established at Florence.
1963	Aug.	Completion of Arthur M. Brown Swimming Pool
1963	Sept. 1	President Stratton retires; Dr. James I. Armstrong becomes twelfth President of the College.
	Nov. 8	James I. Armstrong inaugurated as President.
1964	June 25	Notification of Challenge Grant of $1,700,000 by Ford Foundation contingent on the College's matching it with $3,400,000 in new gifts funds by June 30, 1967.
1965	Sept. 27	Sunderland Language Center and Dana Auditorium dedicated.
1966	June 11	Middlebury Challenge Fund total of $8,039,722 announced.
	June 22	Chinese Summer School opens.
1968	Sept. 16	4–1–4 Curriculum goes into effect.
1968	Oct. 12	Christian A. Johnson Memorial Building for music and fine arts dedicated.
1969	Jan. 6	New Science Center opened.
1969	Feb. 7	New dormitory complex for men and women opened.

ALUMNI AND ALUMNAE

The Associated Alumni, one of the oldest organizations of its type in America, was established in 1824. The preamble to the constitution stated the purpose of the organization in 33 words that could not be better chosen today: "To revive the pleasing recollections of academic life—to cherish a laudable zeal for the advancement of literature and science and particularly for the prosperity of our Alma Mater this association is formed." A separate Alumnae Association for women graduates was formed in 1912.

The business of the Associated Alumni and Alumnae Association is conducted through the offices of the respective secretaries at the College. Biographical information and addresses may be secured through them. The NEWS LETTER, the Middlebury quarterly magazine, is mailed to all alumni and alumnae.

NATIONAL ALUMNI OFFICERS 1968–69

President: Lewis G. Ensinger, '42 (elected 1968)
8 Forbes Boulevard, Eastchester, New York 10709

Secretary: Gordon C. Perine, '49 22 South Street, Middlebury, Vermont 05753

ALUMNI TRUSTEES
(*Term Five Years*)

Region I

Chester H. Clemens, '33 (elected 1966) 36 Mill Lane, Hingham, Mass. 02042

Region II

Adrian C. Leiby, '25 (elected 1965) 138 West Church St., Bergenfield, N.J. 07621

Region III

Dr. Raymond A. Ablondi, '52 (elected 1968)
2761 Lamplighter Lane, Bloomfield Hills, Michigan 48013

Trustee-at-Large

Frederick W. Lapham, '43 (elected 1967)
177 Summit St., Burlington, Vt. 05401

ALUMNI DISTRICT PRESIDENTS
(*Term Three Years*)

Region I

Northern New England—Maine, New Hampshire, Vermont
John B. Cadwell, '44 (elected 1966) Box 347, Rutland, Vermont 05701

Massachusetts
David E. Thompson, '49 (elected 1966) 44 Brookside Rd., Needham, Mass. 02192

Connecticut and Rhode Island
John F. Bates, '42 (elected 1966) 4 Brook Drive, Simsbury, Conn. 06070

Region II

New York State—Other than area around New York City
Philip W. Robinson, Jr., '42 (elected 1968)
410 Buffington Road, Syracuse, New York 13244

New York City—New York City, counties around City, and Long Island
Ernest H. Lorch, '54 (elected 1968)
200 East End Avenue, New York, New York 10028

New Jersey and Pennsylvania
ROBERTS M. ROEMER, '49 (elected 1968)
310 East Pine Street, Millville, New Jersey 08332

REGION III

Washington—Delaware, Maryland, D. C., Virginia, West Virginia, and all southern states east of Mississippi
JULIAN A. POLLAK, JR., '49 (elected 1967)
1129 No. Ivanhoe St., Arlington, Va. 22205
Mid-West—Illinois, Michigan, Indiana, Ohio, Wisconsin, Minnesota, Iowa
WILLIAM S. BRACKETT, JR., '53 (elected 1967)
2214 Kenilworth Ave., Wilmette, Ill. 60091
Western
PHILIP W. HOFFMIRE, '49 (elected 1967)
232 Mt. Shasta Dr., San Rafael, Calif. 94901

NATIONAL ALUMNAE ASSOCIATION OFFICERS 1968–69

President: MRS. DONALD W. JEFFRIES (PAULA KNIGHT, '45)
3104 Q Street N.W., Washington, D. C. 20007
Vice President: MISS CHARLOTTE C. DURYEA, '56
East Beach Road, R.F.D. 1, Bradford, Rhode Island 02808
Delegates-at-Large: MRS. PHILLIPS G. TERHUNE, JR. (CAROL VAN DUYN, '57)
8 Echo Drive, Darien, Connecticut 06820
MRS. A. WILLIAM CALDER (Marilyn Knust, '45)
660 Forest Lane, Franklin, Pennsylvania 16328
Secretary: MRS. JOHN L. DIAZ, JR. (Janet Deakins, '53)
R.F.D. 3, Middlebury, Vermont 05753

ALUMNAE TRUSTEE
(*Term Five Years*)

MISS MARIAN G. CRUIKSHANK, '30 (elected 1964)
52 William Street, Worcester, Massachusetts 01606

PRESIDENTS OF REGIONAL ALUMNI/AE CLUBS

Boston: MR. ROBERT E. SEIXAS, '49
97 Fisher Street, Westwood, Massachusetts 02090
MRS. RICHARD J. MAKIN (Patricia Hinman, '55)
31 Ethan Allen Drive, Acton, Massachusetts 01720
Capitol District (N.Y.): DR. MARK BENZ, '56
11 Parkwood Drive, Burnt Hills, New York 12027
Chicago: MRS. NORMAN R. ATWOOD (Barbara Counsell, '43)
900 Oakton Street, Evanston, Illinois 60202
Cleveland: MRS. WILLIAM C. GARRETT (Nancy Finley, '47)
15485 Russell Road, Chagrin Falls, Ohio 44022
Hartford: MRS. ROBERT NICKERSON (Nancy Whittemore, '54)
52 Farmingdale Road, Wethersfield, Connecticut 06109
Long Island: MRS. JOHN C. TRASK (Frances-Jane Hayden, '41)
36 Melbourne Lane, Old Bethpage, New York 11804
Manhattan: MRS. IAN G. M. BROWNLIE (Marian Moran, '56)
136 East Fifty-fifth Street, New York, New York 10028

Montreal: Mr. Kenneth Kouri, '59
13 Greenwood Street, Ste. Therese, Quebec
New Jersey: Mrs. Don Phillips (Susan Daniell, '58)
23 Oak Hill Road, Short Hills, New Jersey 07078
Philadelphia: Mrs. David Stebbins (Irmgard Nierhaus, '48)
5 Brennan Drive, Bryn Mawr, Pennsylvania 19010
Rochester: Mrs. John C. Heurtley (Eleanor Bliss, '59)
1258 Wildflower Drive, Webster, New York 14580
Twin State: Mrs. Laurence P. Folsom (Irma Willey, '29)
1 Highland Avenue, Claremont, New Hampshire 03743
Washington, D. C.: Mrs. Edmund B. Cronin, Jr. (Leslie Dearborn, '62)
5312 McKinley Street, Bethesda, Maryland 20014
Worcester: Mrs. Francis A. Ives (Evelyn Jones, '29)
139 Holden Street, Holden, Massachusetts 01520
Mr. Hadley G. Spear, '22
39 Westwood Drive, Worcester, Massachusetts 01609

Honorary Degrees Conferred by Middlebury College

August 13, 1968

DOCTOR OF HUMANITIES
Donald Devenish Walsh

October 12, 1968

DOCTOR OF LETTERS
Thomas P. F. Hoving

DEGREES CONFERRED IN MIDDLEBURY SUMMER SCHOOLS
SUMMER 1968

MASTER OF ARTS

English School—August 10, 1968

Edward Ralph Aldrich
Jean Babette Baker
Eugene Thomas Behr
Crawford Blagden, Jr.
Jane Carroll
Virginia Coale
Barbara Wall Coe
James Joseph Coughlin
Donald Eugene Cusack
Roland Dale
Charles Richard Duke
John Durkin
Hubert Clare Fortmiller, Jr.
Henry Dutton Foster
Richard Gordon Geldard
John Thomas Gilligan
Elizabeth Wilmer Houston
Robert Eugene Kauffman
James Lawrence Keegan
Raymond Whitman Kelsey, Jr.
Susan Fitz Randolph Kenny
Hubert Field Lozano
Robert Green Mathews, Jr.
Bernier Lester Mayo
Wesley Cooke McNair
Gordon Donald Miller
John Dominick Morelli
Christina Lee Moustakis
Kathleen Platt Potier
Linda Leigh Oesterling Reid
Robert Rock Ringer
Jayne Ela Roach
Michael Allen Rouse
Raymond James Shea
Suzanne Sheffer
Anthony Fred Hooker Sipp
Vincent Paul Skinner
Louise Fuguet Stokes
William Joseph Tadler
Donald Leroy Trimmer
Margaret Martha Walsh
Carolyn Loerch White
Richard Danforth Wright, Jr.

French School—August 13, 1968

Laura Elizabeth Benedict
Robert Alfred Benton
Nancy Jane Beraud
Claire Priscille Brault
Brother Paul Bisson
Eileen Rose Cassel
Alexandra Wanda Chramiec
Ruth Harrison Clark
Joan Francis Contino
Mary Criscione
Patricia Ann Fino
Joel Aron Flashman
Karen Sheila Frace
Edith Sorel Gaëtjens
Richard Paul Hall
Aristides Hernandez
Ann Anthony Hitch
Rosemary Coats Hoffmann
Yvette Small Hohler
Eural St. Charming Jones
Jane Anne Koch
Jeanne Marie LaRocque
Jean-Pierre Lascoumes
Normand George Lavallee
Betty Norene McIntosh
Geraldyne Metz
Robyn Lee Newkumet
Claire Yvonne Poirier
Andrena Elizabeth Ray
Joanne Janoski Sarkees
Ronald Francis Saulnier
Janine Rousseau Scarcella
Helen Schmidt
Florence Sheppard
Sister M. Andre (Gregoire)
Sister Mary Justin (Duquette)
Sister Mary Kathleen (O'Halloran)
Sister M. Lucia (Pirollo) C.S.F.N.
Sister Mary Monica (Socinski)
Sister Maura (Prendergast)
Joan Louise Stratton
Peter Lawrence Swano
Van Cleave Parrott Warren
Steven Charles Zakaib

Graduate School of French in France—August 13, 1968

Andrea Maria Agrell

William Scott Allison
Natalie Ammarell
Judith Susan Anker
Judithe Lange Bailey
Robert Harold Barry
Denise Anne Billane
Rosamond Jackson Bovey
Townsend Whelen Bowling
Robert Louis Brownlee, Jr.
Irma Duetta Cashie
Rene Aime Constant
Sharon Lee Cronan
Carole Dane
Deborah Rita Eagle
Marian Gail Faytell
Ruth Lorraine Feldman
Joseph Benjamin Giovanini
Edward Michael Gisselbrecht
Howard Keith Gregory
Julian Earle Griffin
Mianne Marie Hanley
Karen Gale Hansen
Anne Harris
John William Harrison
Justine Delacy Hartman
Cora Louise Hogue
Robert James Kee
Kathleen Virginia Kehoe
Jeremy Keller
Susan Marie Kerwin
Maureen Therese Kirby
Marilyn Alyce Kramer
Sally Anne Laubin
Max Edward Laurent
Louis Leone, Jr.
Naomi Ruth Lesko
Martha Elizabeth Lindner
Karen Ann Lowe
Mary Cecilia McDonnell
Barbara McEvoy
Julia Mary Mehlenbacher
Lindsay Ryoko Michimoto
Cristina Monique Moro
Mary Anne O'Neil
Lois Phelps
Sara Ellen Potter
Audrey Violet Potton
Sue Ann Prince
Susan Frances Queenan
Jeanne Lucille Randorf
Karen Renick
Simone Robaire
Margaret Ann Rohdy
Marguerite Anne Rottkamp
Karen Joan Schaffel
Candace Jane Somerall
Jean Halliday Staples
Lilla Field Stevens
Janet Mara Stone
James Ross Underwood
Robert Earl Vicars
James Albert Willey, Jr.
Miriam H. Wolf
Grayson Cooper Woodbury
Bernice Shepard Zelonka

German School—August 13, 1968

Ruth Tomasi Andersen
Anne Marie Ashcroft
Gust John Babalis
Alexandra Tkachenko Baker
Ingeborg C. Blimberg
Victor George Cimino
Robert Richard Dorin
Csaba John Dosa
William Edwin Elwell
Grace Elizabeth Gallagher
Dorothy Fay Goetz
Arthur Joseph Gressel
Gale Muller Hassman
Olive Ruth Hewett
Edith Johanna Hutchins
Gerda Helen Kroeschel
Karen Elaine Kunkel
Helga Neuhaus Leftwich
Ute Doerte Lissy
Vicki M. Maiben
Jane Muenzer Mehl
Susan Eileen Mullenhoff
Lorraine Annette Niemyski
Hannelore Scharek
Lukas Joseph Schmidt
Ruth Ellen Schoedler
Sister Marie Cordette, O.P. (Pieplow)
Gerhard Erwin Steinbacher
Joseph David Sullivan
Alberta Ann Traini
Rosemarie Bauer Weber
Mary Spivey Wehrle

Edward John Wilk
Anne Elizabeth Zsilli

Graduate School of German in Germany—August 13, 1968

Nancy Louise Benjamin
Klaus Burkhardt
Barbara Ann Busker
Willkie Kenniston Cirker
Stanhope Fenn Cunningham
Carol Wadsworth Deering
William Augustus Edwards, III
Charlotte E. Gebhardt
Wayne Gordon Gillespie
Robert Mannix Granville
Edeltraud Erna Helene Green
Robert Dean Green
Carmen Lisbeth Grosse
Candida Elizabeth Harper
Patricia Ann Johnson
Judith Roseberry Kramer
Wolfgang Paul Kunze
Andrejs Lubkans
Frederic Arnold Muhlheim
Patricia Marie Peterson
William Byron Price
Joan Banks Reutershan
Ruth Goos Righter
Vivian Lorine Rippy
Ronald Victor Rockwell
Mara Ritma Rudovskis
Stacey Cobbett Sawyer
Phoebe Mae Schliesser
Marilyn Sue Sibley
Douglas Michael Snapp
Elizabeth Aborn Strodach
Diane Summerhays
Linda Joan Tarbell
Clifford Maurice Taylor
Ann Elizabeth Thorsson
Mary Godfrey Volk
Marjorie Frances Speier Wehr
William Edward Westerbeke

Italian School—August 13, 1968

Evelyn Jean Belli
James William Conley
Anthony F. Di Ruzzo
Peter Damian Nuzzo
Bruno Pileggi
James Villa, O.F.M.

Graduate School of Italian in Italy—August 13, 1968

Mary Ann Jeanette Aiello
Irene Bonanno
Joan Elizabeth Byers
Luis Alberto Cibes-Deliz
Kathleen Marie Gallo
Mary Ann Lucia Genova
Charles Anthony Ginetto
Nancy Beth Isenberg
Teresa Madeleine Latorre
Joseph Bartholomew Lombardelli
Judith Lowenthal
Benny Marcello
Charlene Elizabeth Palladino
Vincent Anthony Pezzullo
Mary Weller Sa'id
Elizabeth Mary Wahn

Russian School—August 13, 1968

Sophia Michaelovna Chevone
Ellen Joan Cochrum
Denis Albert Dirscherl, S.J.
Steven Paul Hassman
Marianna Redkin
Natalie C. Roussyan
Katy Sagy
Florence Seiman
Sister Mary Angela Baniak
Gordon Elmer Smith
Helen Toronto

Spanish School—August 13, 1968

William Adorno
Patricia Qualls Ajagunna
Aldo John Baggia
Richard Edward Bednarcik
Helen Sparks Bradigan
Brother Denis McGrath
Dorothy Ruth Campbell
Cecilia Anchy de la Garza
Robert Dhu de la Garza
Rafael Fuster
Rolando Gonzalez
Sandra Patricia Hall
Martha Adele Haseley
John Francis Kennedy
Joseph Anthony Midiri
Joanne Latella Moris
Fernando Palacios
Robert Paton

Daniel Neall Phillips, Jr.
Mary Gloria Salcetti
Americo Marco Scuncio
Theana Kotrelis Sheetz
Frances Marianna Sienkowski
Sister Anne C.N.D. (Borrelli)
Sister Anne Maureen, O.P. (Duffy)
Sister John Maura, O.P. (Longshore)
Sister Maria Goretti, O.P.
Sister Marie Paulette Ventimiglia
Sister Mary Josef (Villademoros)
Sister Maureen Gregory, O.P. (Troike)
Andrew Turner Stewart
James Henry Stewart
Gilberto Jose Suarez
Charlotte Owens Townsend
Robert James Wee
Winona Marie Woods

Graduate School of Spanish in Spain—August 13, 1968

Gail Sharon Alberts
Arthur Albores
Phillip Ruben Andersen
Raymond Earle Bell
Rosemarie Ann Benya
George Bibiloni
Arleen Jean Billante
Jan Dowling Borgia
Henry Michael Bourgeois
Townsend Mills Cass
Carmen Isabel Cintron
Evelyn Joyce Conway
Linda Kit Cowles
John William Draper
Dion Patrick Dunlany
David Wayne Edwards
Michael Jason Ekiss
Charlotte Elayne Farlow
Inez Marie Fitzgerald
Ronald Steven Garfield
Hermon Henry George, Jr.
Aurora Gonzalez
Adriana Deloris Goode
Robert Dennis Gozzard
Jane Jackson Graham
John Joseph Grimes
Irene Agnes Hechler
Constance Hinshaw
Cheryl Susan Hockman
Katherine Marie Ivanovich
Jeffrey Owen Jones
Robert Joel Kahn
Susan Kingston
Jan Christian Kruger
Noemi Lorenzana
John Willard Lucas
Joseph Carter Lucas
Dayle Susan Malina
Franz Samuel Mandarich
Barbara Mann
Meribeth Anne Matulis
Rosemary Therese Mazzeo
Mary Ann Mellenbruch
Blanche Maria Mendez
Marilyn Lajuana Michael
Olga Nena Miquel
Allene Walker Morgan
Kirsten Felicia Nigro
Vickie Lynn Olsen
Ann Catherine Mary O'Neill
Vivian Mary Powers
Ruth Casablanca Purmalis
Alex Rolando Quiroga
Lucille Josephine Reinero
Lana Rae Rossi
Carmen Yolanda San Miguel de Martinez
Donald Patrick Schmidt
Elisa Matilde Sierra
Jack Coldwell Smith
Mary Elizabeth Stansel
Cynthia Cecile Stapp
Paul Henry Star
Miriam Jean Sumberg
David Lynne Sunderland
Lois Christine Tabaczynski
Joy Lynn Todd
JoAnn Marie Tomaiuolo
Julia Sharp Vergara
Miriam Wagner
Samuel David Wilder
Ludmila Winogradow
Susan Anne Wood
Kathryn Olivia Wright

DOCTOR OF MODERN LANGUAGES

French School—August 13, 1968

Warren Leighton Wellman

Middlebury College

DEGREES IN COURSE

February 10, 1969

MASTER OF ARTS

Josette Evangeline Conell, A.B. (*Southern Methodist University*) *1966* — *Buffalo, N.Y.*
Margaret Bower Haines, A.B. (*Duke University*) *1966* — *South Bend, Ind.*
Aldis Brainerd Hatch, A.B. (*Princeton University*) *1925*
M.A. (*University of Chicago*) *1931*
Ph.D. (*Yale University*) *1942* — *Jacksonville, Ala.*
Hester Lindabury Ohbi (*Mrs.*), A.B. (*Mt. Holyoke College*) *1963* — *Wyncote, Penn.*
Elizabeth Maria Philipp (*Mrs.*) A.B. (*University of California*) *1943* — *Honolulu, Hawaii*
Susan Powers, A.B. (*Carnegie-Mellon University*) *1966* — *Montpelier, Ohio*
Ellen Lois Sanders, A.B. (*Elmira College*) *1967* — *Marblehead, Mass.*
Sister Mary Bernadetta (*Staab*), A.B. (*Notre Dame of Baltimore*) *1961* — *Camden, N.J.*
Arpie Soukiassian, A.B.; M.A. (*Northwestern University*) *1962, 1965* — *Chicago, Ill.*

BACHELOR OF ARTS

Porter Dean Broughton — *Simsbury, Conn.*
Paul Michael Connolly — *West Roxbury, Mass.*
Philip Blaine Doherty — *Sudbury, Ontario, Canada*
Stuart Gwyllym Dunn — *Quebec City, Canada*
Daniel Francis Eiben — *Bratenahl, Ohio*
Elsie Morgan Fisher — *Greenwich, Conn.*
Littleton Augustus Fowler, Jr. — *Danville, Ky.*
Louise Hurt Frankenberg (Mrs.) — *Bowie, Md.*
Pamela Wheaton Gare — *Northampton, Mass.*
Richard Llewellyn Hall — *West Hartford, Conn.*
Edward Harding, II — *Groton, Mass.*
Eric William Kolvig — *Tilton, N.H.*
Joanna Lee Manross — *Willoughby, Ohio*
Mark Channing Miller — *Pittsfield, Mass.*
Charles Louis Mlakar, Jr. — *Chagrin Falls, Ohio*
Albert Harding Newman — *Concord, Mass.*
Katharine Lindsay Patterson — *Duxbury, Mass.*
John Steven Peterson — *Bethesda, Md.*
Nancy Brooks Richardson (Mrs.) — *Concord, N.H.*
Nancy Robinson Russell (Mrs.) — *Winchester, Mass.*
John Spicer Shoup — *Westport, Conn.*
Douglas Gerard Tholke — *West Roxbury, Mass.*
Pamela Twible — *Cheshire, Conn.*
Richard William Vomacka — *Princeton, N.J.*

Bachelor of Arts, having completed the requirements for the degree of Bachelor of Science in Engineering from Columbia University, under the Combined Professional School Plan:

Charles Leon Tilford — *New York, N.Y.*

DEGREE CONFERRED WITH DISTINCTION

MAGNA CUM LAUDE

Eric William Kolvig

DEPARTMENT HONORS

ENGLISH—*Highest Honors:* Eric William Kolvig

Appointment to PHI BETA KAPPA

Eric William Kolvig

President and Fellows

President and Fellows—The Corporation

JAMES ISBELL ARMSTRONG, PH.D., LL.D., L.H.D., LITT.D. — Middlebury
President of the College

Life Trustees

(Calendar year indicates first date of election)

L. DOUGLAS MEREDITH, A.B., M.A., PH.D. (1960) — Rutland
Chairman of the Board and President of the Corporation
President and Chief Executive Officer
Central Vermont Public Service Corporation

ARNOLD R. LAFORCE, B.S., M.B.A. (1961) — New York, N.Y.
Vice-Chairman of the Board
President and Director, Central Securities Corp.

ELBERT C. COLE, M.A., PH.D. (1939) — Middlebury
Secretary of the Corporation
Samuel Fessenden Clarke Professor of Biology, Emeritus
Williams College

STEWART ROSS, M.D., F.A.C.S. (1936) — Rutland
Physician and Surgeon

CARLETON H. SIMMONS, B.S. (1938) — Boston, Mass.
Hayden, Stone Incorporated

FRED P. LANG, B.S. (1940) — New York, N.Y.

JOSEPH P. KASPER, B.S. (1940) — Sarasota, Florida
Former President, Associated Merchandising Corporation

ALICE GUEST HOWSON, A.B., M.A. (1948) — Poughkeepsie, N.Y.
Study Counselor, Vassar College

ROBERT DUTTON PROCTOR, A.B., M.F.A. (1955) — Proctor
First Vice President and Treasurer, Vermont Marble Company

PARIS FLETCHER, B.S., LL.B., SC.D. (1956) — Worcester, Mass.
Attorney, June, Fletcher & Whipple

RAYMOND J. SAULNIER, PH.D., LL.D. (1958) — New York, N.Y.
Professor of Economics, Columbia University
Former Chairman, President's Council of Economic Advisors

WILLIAM S. YOUNGMAN, A.B., LL.B. (1962) — E. Hebron, N.H.
Chairman, American Home Assurance Company

Term Trustees

	First Elected	*Expiration Date*	
Foster R. Clement, Jr., A.B. Vice President, retired, Chase Manhattan Bank	1960	1969	Manchester
Alexander Hamilton Fulton	1964	1970	Plattsburgh, N.Y.
John Kruesi, A.B.	1964	1971	Signal Mt., Tenn.
Hilton A. Wick, A.B., LL.B. Attorney, Wick, Dinse & Allen	1968	1972	Burlington

Alumni Trustees

Marian G. Cruikshank, A.B., M.A. Teacher, Dr. Leo T. Doherty Memorial High School	1964	1969	Worcester, Mass.
Adrian C. Leiby, B.S., LL.B. Attorney, LeBoeuf, Lamb, Leiby & MacRae	1965	1970	New York, N.Y.
Chester H. Clemens, B.S. Vice-President, Loomis, Sayles & Co., Inc.	1966	1971	Boston, Mass.
Frederick W. Lapham, Jr., A.B. President, Prospect Realty, Inc.	1967	1972	Burlington
Raymond A. Ablondi, A.B., PH.D. Merchandising Manager, Lincoln-Mercury Division, Ford Motor Company	1968	1973	Bloomfield Hills, Mich.

Carroll Rikert, Jr., A.B., M.B.A., C.P.A. — Middlebury
Treasurer and Assistant Secretary of the Corporation

Trustees Emeriti

Walter H. Cleary, A.B., LL.B., LL.D., J.S.D. (1941) — Newport

Horace S. Ford, LL.D. (1942) — Cambridge, Mass.

Leon S. Gay, PH.B. (1942) — Brandon

Egbert C. Hadley, A.B., B.S., D.ENG., LL.D. (1936) — Middlebury

Gertrude Cornish Milliken, B.S., M.A., ED.D. (1948) — North Dighton, Mass.

Corporation Committees

(The first person listed is the Chairman)

Prudential

L: Douglas Meredith *, President James I. Armstrong *, Stewart Ross, Elbert C. Cole,

Robert D. Proctor, Paris Fletcher, Arnold R. LaForce, William S. Youngman, Fred P. Lang, Leon S. Gay (Emeritus), Egbert C. Hadley (Emeritus)

Finance

Arnold R. LaForce, Carleton H. Simmons, L. Douglas Meredith, Raymond J. Saulnier, William S. Youngman, Fred P. Lang, Horace S. Ford (Emeritus)

Auditing

Paris Fletcher, John Kruesi, Frederick W. Lapham, Jr., Horace S. Ford (Emeritus)

Summer Schools

L. Douglas Meredith, Mrs. J. Howard Howson, Foster R. Clement, Jr., Marian G. Cruikshank, Elbert C. Cole, Raymond A. Ablondi, Hilton A. Wick.

Instruction

Elbert C. Cole, L. Douglas Meredith, Carleton H. Simmons, Mrs. J. Howard Howson, Raymond J. Saulnier

Buildings and Grounds

L. Douglas Meredith, Robert D. Proctor, Foster R. Clement, Jr., Hilton A. Wick, Alexander Hamilton Fulton (Alternate), President James I. Armstrong *, Carroll Rikert, Jr. *, Leon S. Gay (Emeritus)

Battell Forest and Park

Stewart Ross, John Kruesi, Alexander Hamilton Fulton, Raymond A. Ablondi, Walter H. Cleary (Emeritus)

Law

Paris Fletcher, William S. Youngman, Adrian C. Leiby, Hilton A. Wick, Walter H. Cleary (Emeritus)

Budget

L. Douglas Meredith *, President James I. Armstrong *, Carroll Rikert, Jr. *, Paris Fletcher, Arnold R. LaForce, Fred P. Lang

Honorary Degrees

Raymond J. Saulnier, Joseph P. Kasper, Carleton H. Simmons, William S. Youngman, Mrs. Joseph K. Milliken (Emeritus)

New Trustees

Carleton H. Simmons, Arnold R. LaForce, Stewart Ross, L. Douglas Meredith, Fred P. Lang

Scholarships and Student Loans

Joseph P. Kasper, Raymond J. Saulnier, Foster R. Clement, Jr., Chester H. Clemens, Raymond A. Ablondi

Conference

Elbert C. Cole, Mrs. J. Howard Howson, Joseph P. Kasper, Robert D. Proctor, Chester H. Clemens

Athletics

Stewart Ross, Joseph P. Kasper, Carleton H. Simmons, John Kruesi, Frederick W. Lapham, Jr., Fred P. Lang (Alternate)

Porter Hospital

Stewart Ross, Elbert C. Cole, Marian G. Cruikshank, Frederick W. Lapham, Jr., President James I. Armstrong *, Carroll Rikert, Jr. *, Walter E. Brooker *

Library and Abernethy Collection and Flanders Ballad Collection

Mrs. J. Howard Howson, Adrian C. Leiby, Alexander Hamilton Fulton, Chester H. Clemens, Marian G. Cruikshank

Walker Furlough and Emergency Fund

President James I. Armstrong *, Carroll Rikert, Jr. *, Paul M. Cubeta†

*Ex-Officio †Member of the Faculty

Academic Administration and Staff (1968-69)

(Calendar year indicates first date of appointment)

James Isbell Armstrong, PH.D., LL.D., L.H.D., LITT.D. President (1963)	3 South Street
Walter Eric Brooker, A.B. Vice President and Director of the Development Program (1956)	South Main Street
Paul M. Cubeta, PH.D. Dean of the Faculty (1967)	39 Seminary Street
George Dennis O'Brien, PH.D. Dean of the College (1967)	R.D. 3, Middlebury
Stephen Albert Freeman, PH.D., LL.D., L.H.D., LITT.D. Director of the Language Schools (1946) Vice President Emeritus (1943)	24 South Street
Mrs. Elizabeth Baker Kelly, A.B. Dean of Women (1946)	5 College Street
Bruce B. Peterson, PH.D. Dean of Men (1967)	40 South Street
Mrs. Erica B. Wonnacott, A.B., M.A. Assistant Dean of Women (1968)	33 Weybridge St.
Fred F. Neuberger, A.B. Director of Admissions (1955)	Gorham Lane
Edward Sommers, A.B. Assistant Director of Admissions (1963)	R.D. 2, Middlebury
Frances Rodgers Hall, A.B. Assistant Director of Admissions (1964)	1 Chipman Heights
Carolyn Estabrook, A.B. Assistant to the Director of Admissions	Chipman Heights
James Carey, Jr., A.B. Assistant to the Director of Admissions	R.D. 3, Middlebury
Marion Elizabeth Holmes, A.B. Registrar (1937)	54 High Street
Lynn W. Hinman, A.B. Coordinator of Student Activities (1960)	R.D. 3, Middlebury

GORDON CONDIT PERINE, A.B.
Director of Alumni Relations and Placement (1951) — 22 South Street

ROTH W. TALL, JR., A.B.
Assistant Director of Alumni Relations and Placement (1968) — Apt. 18, Battell Block

MRS. JANET DEAKINS DIAZ, A.B.
Assistant Director of Alumni Relations (1965) — R.D. 3, Middlebury

CHARLES D. BRAKELEY, A.B.
Assistant Director of Development (1964–67)
Director of Financial Aid (1967) — 5 South Street

GREGOR HILEMAN, A.B., B.D.
Assistant Director of Development (1967)
Editor, *News Letter* (1968) — R.D. 2, Middlebury

PATRICIA J. HOKANSON, A.B.
Executive Secretary to the President (1963) — 3 College Street

FREEMAN C. ALLEN A.B.
Assistant to the President (1969) — 1 Porter Field Rd.

BARBARA ANNA WELLS, A.B., M.A.
Secretary of the College (1968) — R.D. 3, Middlebury

GEORGE F. PARTON, JR., A.B., M.D.
Medical Director (1967) — R.D. 1, Middlebury

WILTON WARNER COVEY, A.B., M.D.
Psychiatric Consultant (1966) — R.D. 2, Middlebury

MRS. ELIZABETH BRISTOL, R.N.
Head College Nurse (1958) — Infirmary

GEORGE HAMBRE HUBAN, SR., B.S.
Editor, *News Letter* (1946–68)
Editor, Publications (1940) — Washington Street Extension

HORACE PALMER BECK, PH.D.
Director of the Flanders Ballad Collection (1956) — Ripton

MRS. BARBARA FILAN
Secretary of the Language Schools (1956) — 55 Seminary Street

MAX P. PETERSEN, A.B.
Editor, Information Services (1962) — 50 Shannon Street

PAUL A. WITTEMAN, A.B.
Assistant Editor, Information Services (1968) — South Street, R.D.

ROBERT H. STEEVES, B.S. IN ED.
Chief of Security (1960) — R.D. 3, Middlebury

The Library Staff

JOHN R. MCKENNA, A.B., B.L.S.
Librarian (1964) — 6 Chipman Park

RICHARD SERENA, B.S., M.S.
Assistant Librarian (1965) — 12 Weybridge Steet

LOCKWOOD MERRIMAN, A.B., M.A.
College Archivist (1965) — 12 Hillcrest Road

E. Anne Eberle, B.A., M.L.S.
Head Cataloger (1965) — 6 Benedict Lane

Lila E. Williams, A.B., M.L.S.
Assistant Cataloger (1967) — Apt. 17, Battell Block

Helen M. Davis, A.B.
Assistant Reference Librarian (1961) — Ripton

Ralph W. Franklin, PH.D.
Curator of the Abernethy Library (1968) — 105 South Main St.

Elsie E. Glasgow, B.S., B.L.S., M.S.
Director of Reclassification (1968) — 6 Benedict Lane

Business Administration and Staff (1968-69)

Carroll Rikert, Jr., A.B., M.B.A., C.P.A.
Treasurer (1952) — 7 Green Mountain Place

James D. Ross, A.B., M.B.A.
Business Manager (1956) — R.D. 2, Middlebury

Luther Van Ummersen, A.B., C.P.A.
Comptroller (1965) — 104 South Main Street

J. Wilber Smith
Assistant Comptroller (1926) — R.D., Middlebury

Norman D. Hadley, A.B.
Assistant Comptroller (1965) — 112 South Main Street

Richmond G. Littlefield, B.S., M.B.A., C.P.A.
Assistant Comptroller (1967) — 8 Chipman Park

Thomas A. LaFountain
Assistant Cashier (1966) — R.D. 3, Brandon

Robert S. Huttenlock
Accountant (1967) — R.D. 1, Middlebury

Mrs. Ruth E. Leonard
Secretary to the Treasurer (1957) — 33 Gorham Lane

Ralph O. Myhre
Golf Course and Snow Bowl Manager (1951) — 18 Gorham Lane

Harvey N. Drinkwine
Plant Engineer (1956) — Salisbury

George A. Wishart
Purchasing Agent (1965) — South Street Ext.

Henry P. Clook
Superintendent of Maintenance and Operations (1965) — Brandon

Robert D. Lincoln
Assistant to the Superintendent of Maintenance and Grounds (1967) — Middlebury

GORDON C. HOLDEN
Grounds Foreman (1965) — Wallingford

GEORGE E. HAMMOND
College Printer (1954) — Bristol

The Coaching Staff (1968-69)

WALTER J. NELSON, B.S.
Director of Intercollegiate Athletics, varsity football coach, varsity and freshman golf coach (1932) — Pulpmill Bridge Rd.

ERKKI W. MACKEY, B.S.
Assistant varsity football coach, freshman hockey coach, varsity track coach (1956) — 45 Seminary St.

JOSEPH J. MORRONE, JR., B.S., ED.M.
Varsity soccer coach, freshman basketball coach, varsity lacrosse coach (1959) — 70 Court St.

WENDELL F. FORBES, A.B.
Assistant varsity football coach, varsity hockey coach, varsity baseball coach (1962) — R.D. 3, Middlebury

J. GERALD ALAIMO, A.B.
Freshman soccer coach, varsity basketball coach, freshman lacrosse coach (1964) — Stewart Hall

JOHN F. BOWER, A.B., M.ED.
Varsity cross country coach, varsity and freshman ski coach, assistant track coach (1968) — R.D. 1, Middlebury

RICHARD W. WATERMAN
Athletic Trainer (1956) — Rogers Rd.

Faculty (1968-69)

JAMES ISBELL ARMSTRONG, A.B., PH.D. AND LL.D., PRINCETON; L.H.D., BATES; LITT.D., GRINNELL
President, and Professor of Classics (1963) — 3 South Street

PAUL MARSDEN CUBETA, A.B., WILLIAMS; PH.D., YALE
Dean of the Faculty (1967)
Professor of English (1952)
Director of the Bread Loaf School of English (1964) — 39 Seminary Street

J. GERALD ALAIMO, A.B., BROWN
Assistant Professor of Physical Education for Men (1964) — Stewart Hall

HUGO RAFAEL ALBOR, DIPL. METODELOGIA DE LA ENSENANZA, INSTITUTE CARO Y CUERVO, BOGOTA; M.A., UNIVERSITY OF IOWA
Instructor in Spanish (1968) — Apt. 26, Battell Block

DAVID H. ANDREWS, A.B., OHIO WESLEYAN; M.A., PH.D., CORNELL
Associate Professor of Anthropology (1968) — 35 South Street

JOHN THAYER ANDREWS, A.B., AMHERST; M.A., HARVARD
Professor of Philosophy (1936) — 57 South Street

VIVIE G. BABB (Miss), LICENSE DE LETTRES MODERNES, DIPLOME D'ETUDES SUPERIEURES DE LETTRES MODERNES
Instructor in French and Assistant
Directress of the Chateau (1968) — Le Chateau

GEORGE W. BAHLKE, A.B., UNIVERSITY OF CHICAGO AND SWARTHMORE; M.A., UNIVERSITY OF CHICAGO; PH.D., YALE
Assistant Professor of English (1961) — R.D. 2, Middlebury

ROBERT L. BAKER, A.B., COLORADO; M.A. AND PH.D., MICHIGAN
Associate Professor of Russian (1967)
Director of the Russian Summer School (1967) — R.D. 3, Middlebury

BREWSTER BALDWIN, A.B., WILLIAMS; M.A., PH.D., COLUMBIA
Associate Professor of Geology (1958) — R.D. 1, Middlebury

DONALD HENRY BALLOU, A.B., YALE; PH.D., HARVARD
Beman Professor of Mathematics (1942)
Old Dominion Professor (1968–69) — 27 Weybridge Street

DAN M. BECHTER, B.S., IOWA STATE; M.A., YALE
Assistant Professor of Economics (1965) — 81 Weybridge Street

HORACE P. BECK, A.B. AND PH.D., UNIVERSITY OF PENNSYLVANIA
Associate Professor of American Literature (1956) — P.O. Box 442, Middlebury

RONALD R. BIELLI, B.S. AND M.A., UNIVERSITY OF VERMONT
Associate Professor of Mathematics (1956) — 8 Hillcrest Road

LESLIE COLE BIGELOW, A.B. AND PH.D., HARVARD
Associate Professor of Philosophy (1952)
On leave 1968–69 — 15 Chipman Heights

CLAUDE L. BOURCIER, AGRÉGÉ DE L'UNIVERSITÉ, PARIS
Alumni Professor of French (1937)
Dean of the French Summer School (1947) — 11 Adirondack View

JOHN F. BOWER, A.B., MIDDLEBURY
Instructor in Physical Education for Men (1968) — R.D. 1, Middlebury

DAVID A. BUMBECK, B.F.A., RHODE ISLAND SCHOOL OF DESIGN; M.F.A., SYRACUSE
Instructor in Fine Arts (1968) — 18 College Street

FREDERICK C. CABOT, A.B. AND PH.D., HARVARD
Assistant Professor of English (1966)
Assistant Director of the Bread Loaf School of English (1967) — 32 Gorham Lane

FÉLIX CARRASCO, LICENCIADO EN F. Y. LETRAS, UNIVERSITY OF MADRID
Assistant Professor of Spanish (1968) — Halladay Road

R. BRUCE CARROLL, A.B., UNIVERSITY OF VERMONT; M.A., WAYNE STATE; PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Political Science (1965) — 6 Hillcrest Road

PHILIP W. CARRUTH, A.B., HAMILTON; M.A., SYRACUSE; PH.D., UNIVERSITY OF ILLINOIS
Professor of Mathematics (1966) — 1 Adirondack View

ALAN CARTER, MUS. D., UNIVERSITY OF VERMONT
Professor of Music (1939) — 36 Seminary Street

SALVATORE J. CASTIGLIONE, A.B. AND PH.D., YALE
Jean Thomson Fulton Professor of Italian (1966)
Director of the Italian Summer School (1947) — R.D. 2, Middlebury

WILLIAM B. CATTON, A.B., M.A., UNIVERSITY OF MARYLAND; PH.D., NORTHWESTERN
Professor of History (1964)
Old Dominion Professor (1968–69) — R.D. 2, Middlebury
On leave 1968–69

CATHERINE CENTENO (MRS.), B.S. AND M.A., MIDDLEBURY
Lecturer in Spanish (1949)
Director of the Graduate School of Spanish, Madrid (1968–69) — 105 South Main Street

SAMUEL D. CIORAN, A.B., MCMASTER; M.A., INDIANA UNIVERSITY, PH.D., UNIVERSITY OF TORONTO
Assistant Professor of Russian (1968) — Apt. 1, 7 Weybridge Street

JOHN H. CLAGETT, B.S., U. S. NAVAL ACADEMY; PH.D., YALE
Associate Professor of English (1955) — Locust Lane

NICHOLAS R. CLIFFORD, A.B., PRINCETON; M.A. AND PH.D., HARVARD
Associate Professor of History (1966) — R.D. 2, Middlebury

PETER J. CONEY, A.B., COLBY; M.S., UNIVERSITY OF MAINE; INGÉNIEUR, ÉCOLE NATIONALE SUPÉRIEURE DU PETROLE; PH.D., UNIVERSITY OF NEW MEXICO
Assistant Professor of Geology (1964) — 38 College Street

REGINALD L. COOK, A.B., M.A., LITT.D., MIDDLEBURY; A.B., OXFORD
Charles A. Dana Professor of American Literature (1929) — Pulp Mill Bridge Road

JOHN V. CRAVEN, A.B., BOWDOIN; M.A., UNIVERSITY OF COLORADO; PH.D., SYRACUSE
Associate Professor of Economics (1956) — Gorham Lane

DAVID E. CROWLEY, A.B., MIDDLEBURY; M.A., UNIVERSITY OF VERMONT; PH.D., PRINCETON
Assistant Professor of Psychology (1966) — 45 South Street

*HELENE CROWLEY (MRS.), A.B., HUNTER
Lecturer in History (1968) — 45 South Street

E. STUART DALRYMPLE, JR., A.B., MANHATTAN COLLEGE; M. PHIL., YALE
Instructor in Philosophy (1968) — 46 Shannon St.

DALE DELETIS, A.B., CATHOLIC UNIVERSITY; M.A., STANFORD
Instructor in English (1967) — Starr Hall

JACQUELYNE L. DORMAN (MISS), B.S., DOUGLASS; M.S., UNIVERSITY OF MASSACHUSETTS
Instructor in Physical Education for Women (1968) — R.D. 3, College Farm Road

MURRAY P. DRY, A.B., M.A., UNIVERSITY OF CHICAGO
Instructor in Political Science (1968) — 2 Adirondack View

*Part-time

MICHELE JULIETTE EDELSTEIN (MISS), A.B., SWEET BRIAR; M.A., MIDDLEBURY
Instructor in French and Directress of the Château (1966) — Le Chateau

ALBERT HUNTER EWELL, JR., A.B., HAVERFORD; PH.D., NEW YORK UNIVERSITY
Professor of Psychology (1952) — 28 Weybridge Street

EMORY M. FANNING, B.M., OBERLIN; M.M., ILLINOIS; MUS. A.D., BOSTON UNIVERSITY
Assistant Professor of Music (1967) — R.D. 2, Middlebury

WENDELL F. FORBES, A.B., MIDDLEBURY
Assistant Professor of Physical Education for Men (1962) — R.D. 3, Halladay Road

RALPH W. FRANKLIN, A.B., UNIVERSITY OF PUGET SOUND; M.A., PH.D., NORTHWESTERN UNIVERSITY; M.A. UNIVERSITY OF CHICAGO
Curator of the Abernethy Library (1968)
Assistant Professor of American Literature (1968) — 105 South Main Street

WILLIAM A. FREGOSI, B.F.A., BOSTON UNIVERSITY; M.F.A., BRANDEIS
Instructor in Drama and Acting Designer for the Theatre (1968) — Apt. 2, 77 Main Street

JOHN S. FREIDIN, A.B., COLUMBIA; M.A., YALE
Director of Teacher Education and Instructor in History (1968) — R.D. 2, Bristol

ROBERT WILLARD GLEASON, A.B., MIDDLEBURY; PH.D., M.I.T.
Associate Professor of Chemistry (1960) — 31 Weybridge Street

MADELON S. GOHLKE (MRS.), A.B., BRYN MAWR; M.A., YALE
Instructor in English (1968) — 116 South Main Street

ROBERT K. GOULD, B.S., UNIVERSITY OF MAINE; M.S., PH.D., BROWN
Associate Professor of Physics (1968) — 118 South Main Street

MICHAEL S. GREENWOOD, A.B., BROWN; M.F., M.S., YALE
Instructor in Biology (1968) — 43½ South Street

FAITH GULICK (MISS), A.B., CONNECTICUT; M.A., MILLS
Assistant Professor of Physical Education (1967) — 3 College Street

RUDOLF K. HAERLE, JR., A.B., DARTMOUTH; M.A. AND PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Sociology (1962–66, 1967) — 41 Gorham Lane

GRANT H. HARNEST, A.B., KNOX; PH.D., UNIVERSITY OF VIRGINIA
John G. McCullough Professor of Chemistry (1943) — 125 South Main Street
Old Dominion Professor (1968–69)

WILLIAM HARRIS, A.B. AND PH.D., HARVARD
Associate Professor of Classics (1956) — R.D. 1, Seymour Street

LT. COL. JAMES C. HEFTI, A.B., ST. LAWRENCE
Professor of Military Science (1968) — 37 Chipman Park

URSULA MARGARETE HEIBGES (MISS), A.B., CATHOLIC UNIVERSITY OF AMERICA; M.A., COLUMBIA; PH.D., BRYN MAWR
Assistant Professor of Classics (1961) — 10½ Weybridge Street

THOMAS H. HIBBARD, A.B., POMONA; PH.D., CLAREMONT
Assistant Professor of Economics (1966) — 43 South Street

ROBERT WEBBER HILL, JR., A.B., M.A., PH.D., HARVARD
Assistant Professor of English (1966) — 135 South Main Street

CHARLES LEONARD HOAG, A.B., ALBION; M.A., MICHIGAN; PH.D., CLARK
Alumni Professor of Political Science (1947) — 89 Weybridge Street

PHILIP K. HOOPER, A.B., HAMILTON; M.A. AND PH.D., HARVARD
Assistant Professor of Mathematics (1966) — 3 College Street

THOMAS HUBER, M.A., UNIVERSITY OF VERMONT; M.A. AND PH.D., PRINCETON
Assistant Professor of German (1966) — 85 Weybridge Street

WALTER M. HURLEY, JR., A.B., BERKELEY; M.A., CORNELL
Instructor in German (1967) — R.D. 1, Middlebury

J. ROWLAND ILLICK, A.B., SYRACUSE; PH.D., HARVARD
Professor of Geography (1946) — 16 Springside Road

TRAVIS BEAL JACOBS, A.B., PRINCETON; M.A., COLUMBIA
Instructor in History (1965) — 3 College Street

HOWARD MUMFORD JONES, A.B., LITT.D., UNIVERSITY OF WISCONSIN; M.A., UNIVERSITY OF CHICAGO; LITT.D., HARVARD, UNIVERSITY OF COLORADO, WESTERN RESERVE, CLARK; L.H.D., TULANE, OHIO STATE, HEBREW UNION, NORTHWESTERN, CLARKSON; LL.D., COLBY, UNIVERSITY OF UTAH
Visiting Professor of American Literature and History (Fall 1968) — 15 Chipman Heights

ELIZABETH B. KELLY (MRS.), A.B., MOUNT HOLYOKE
Dean of Women (1946) — 5 College Street

JOHN J. KELLY, A.B. AND M.A., MIDDLEBURY
Professor of Physical Education for Men (1936) — 5 College Street

WILLIAM W. KERRIGAN, A.B., STANFORD; M.A., COLUMBIA
Instructor in English (1968) — R.D. 2, Middlebury

JEAN J. KLIMAN (MISS), A.B., UNIVERSITY OF MANITOBA; M.A., MINNESOTA
Instructor in Anthropology (1968) — Apt. 1, 7 Court Street

ARTHUR J. KNOLL, A.B., BATES; M.A., NEW YORK UNIVERSITY; PH.D., YALE
Assistant Professor of History (1966) — 19 Chipman Park
On leave 1968–69

CAPT. HERBERT E. KOENIGSBAUER, JR., A.B., BOWDOIN
Assistant Professor of Military Science (1967) — 41 Chipman Park

JACQUES KROUCHI, LICENCE-ES-LETTRES, DIPLOME D'ETUDES SUPERIEURES, C.A.P.E.S.
Visiting Assistant Professor of French (1967) — Pulp Mill Bridge Road

MARJORIE E. LAMBERTI (MISS), A.B., SMITH; M.A. AND PH.D., YALE
Assistant Professor of History (1964)
On leave 1968–69

FRANK G. LANE, B.S., M.I.T.; M.D., UNIVERSITY OF VERMONT
Lecturer in Mathematics and Biology (1949–51, 1962–63, 1964) — R.D. 2, Middlebury

ROGER LAURENT, LICENCE ES SC. GEOLOGIQUES ET MINERALOGIQUES; DIPLOMA D'INGENIEUR, GENEVA; PH.D., GENEVA
Assistant Professor of Geology (1967) — 44 Shannon Street

DAVID B. LEDLIE, A.B., MIDDLEBURY; PH.D., M.I.T.
Assistant Professor of Chemistry (1967) — 7 Weybridge Street

RUSSELL J. LENG, A.B., MIDDLEBURY; PH.D., AMERICAN UNIVERSITY
Assistant Professor of Political Science (1966) — 1 Porter Field Road

MARY E. LICK (MISS), A.B., LAKE ERIE; M.S., SMITH
Associate Professor of Physical Education for Women (1956) — 125 South Main Street

DAVID J. LITTLEFIELD, A.B., SPRING HILL; M.A. AND PH.D., YALE
Associate Professor of English (1953–56, 1959) — Charlotte

OSMAN FARUK LOGOGLU, A.B., BRANDEIS; M.A., PRINCETON
Instructor in Political Science (1968) — Apt. 3, 7 Weybridge Street

ERKKI W. MACKEY, B.S., SPRINGFIELD
Assistant Professor of Physical Education for Men (1956) — 45 Seminary Street

VINCENT HERSCHEL MALMSTRÖM, A.B. AND PH.D., UNIVERSITY OF MICHIGAN
Associate Professor of Geography (1956–57, 1958) — R.D. 3, Middlebury

EDWARD ALEXANDER MARTIN, A.B., PRINCETON; M.A. AND PH.D., COLUMBIA
Associate Professor of English (1961)
Assistant Director of the Bread Loaf Writers' Conference (1964) — 33 Seminary Street

MAJOR WILLIAM MCDOWELL MATZ, JR., A.B., GETTYSBURG COLLEGE
Assistant Professor of Military Science (1968) — Shoreham

DUNCAN J. MCDONALD, B.S., MCGILL; M.A., HARVARD
Visiting Professor of Biology (1967) — East Middlebury

JOHN REDMOND MCKENNA, A.B., QUEENS; B.L.S., MCGILL
Librarian (1964) — 6 Chipman Park

LOCKWOOD MERRIMAN, A.B., HARVARD; M.A., COLUMBIA
Associate Professor (1947)
College Archivist (1965) — 12 Hillcrest Road

JOSEPH J. MORRONE, B.S., UNIVERSITY OF MASSACHUSETTS; ED.M., WORCESTER STATE
Assistant Professor of Physical Education for Men (1958)
Assistant Director of Intercollegiate Athletics (1967)
Assistant to the Chairman of Physical Education for Men (1967) — 70 Court Street

GEORGE R. MOTOLANEZ, A.B., MCMASTER; M.A., NEW YORK UNIVERSITY
Instructor in Russian (1968) — 5 Storrs Avenue

WALTER A. MOYER, JR., B.S., PHILADELPHIA COLLEGE OF PHARMACY; PH.D., UNIVERSITY OF DELAWARE
Professor of Chemistry (1951) — 9 Adirondack View

ROBERT B. MUIRHEAD, III, B.F.A., RHODE ISLAND SCHOOL OF DESIGN; M.F.A., BOSTON UNIVERSITY
Assistant Professor of Fine Arts (1964) — 4 Hillcrest Road

HOWARD MCCOY MUNFORD, B.S., MIDDLEBURY; PH.D., HARVARD
Julian W. Abernethy Professor of American Literature (1941) — 41 South Street

CRAIG C. MURRAY, A.B., STANFORD; M.A., COLUMBIA
Instructor in History (1967) — East Middlebury

NORMAN C. NELSON, A.B., WESTMONT; B.D., SAN FRANCISCO THEOLOGICAL SEMINARY; TH.M., PRINCETON THEOLOGICAL SEMINARY
Lecturer in Religion (1967)
Assistant Chaplain (1967) — 34 South Street

PAUL E. NELSON, A.B., AUGUSTANA; M.A., UNIVERSITY OF CHICAGO
Assistant Professor of Political Science (1963) — 105 South Main Street

RALPH D. NELSON, JR., A.B., COLBY; PH.D., PRINCETON
Assistant Professor of Chemistry (1965) — 19 Gorham Lane
On leave 1968–69

WALTER J. NELSON, B.S., MIDDLEBURY
Professor of Physical Education for Men;
Director of Intercollegiate Athletics (1932–36, 1946) — Pulp Mill Bridge Road

FRED F. NEUBERGER, A.B., MIDDLEBURY
Director of Admissions (1955) — 36 Gorham Lane

VICTOR LAWRENCE NUOVO, A.B., HOPE; B.D., NEW BRUNSWICK THEOLOGICAL SEMINARY; PH.D., COLUMBIA
Assistant Professor of Religion (1962) — 66 Shannon Street

GEORGE DENNIS O'BRIEN, A.B., YALE; PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Philosophy (1965) — R.D. 3, Halladay Road
Dean of the College (1967)

ROBERT PACK, A.B., DARTMOUTH; M.A., COLUMBIA
Associate Professor of English (1964) — R. D. 2, Middlebury
Half-time Leave 1968–69

BARTON A. PARKS, JR., A.B., RICE; M.A., STATE UNIVERSITY OF NEW YORK AT BUFFALO
Instructor in Sociology (1968) — 8 Seminary Street

JAMES C. PENLEY, A.B., POMONA; M.A., BRANDEIS; PH.D., NOTRE DAME
Assistant Professor of Physics (1968) — R.D. 2, Middlebury

BRUCE BIGELOW PETERSON, A.B., MIDDLEBURY; PH.D., SYRACUSE
Associate Professor of Mathematics (1962) — 40 South Street
Dean of Men (1967)

JUDITH TURNER POLEFKA (MRS.), A.B., RADCLIFFE; PH.D., STANFORD
Assistant Professor of Psychology (1968) — Apt. 1, 77 Main Street

EDWIN L. POOL, B.S. AND PH.D., IOWA STATE
Associate Professor of Chemistry (1954) — R.D. 3, Rogers Road

CHANDLER ARMSTRONG POTTER, A.B., AMHERST; M.F.A., YALE
Associate Professor of Drama and Designer for the Theatre (1956) — 20 Springside Road
On leave 1968–69

HENRY BEALL PRICKITT, A.B., AMHERST; PH.D., HARVARD
Professor of English (1948) — Blinn Lane

DAVID LANGDON PROUTY, A.B., COLGATE; PH.D., TULANE
Associate Professor of Psychology (1959) — "The Barn", R.D. Middlebury

CYRIAC K. PULLAPILLY, A.B., ST. THOMAS (INDIA);
M.A., DEPAUL, PH.D., UNIVERSITY OF CHICAGO
Assistant Professor of Religion (1967) — 19 Chipman Park

NORMAN F. RAMSEY, A.B., PH.D., COLUMBIA; A.B., M.A.,
D.SC., CAMBRIDGE; M.A., (HON.) HARVARD
Visiting Professor of Physics
(Winter, Spring 1969) — 15 Chipman Heights

ROBERT F. REIFF, A.B., UNIVERSITY OF ROCHESTER;
PH.D., COLUMBIA
Professor of Fine Arts (1958)
Old Dominion Professor (1968–69) — 20 Gorham Lane

E. KIRK ROBERTS, A.B., EARLHAM; PH.D., HARVARD
Professor of Chemistry (1952)
Old Dominion Professor (1968–69) — 46 High Street

EUGENE SAPADIN, A.B., MIDDLEBURY; M.A., HARVARD;
PH.D., CLAREMONT
Assistant Professor of Philosophy (1965–66 2nd Sem., 1967) — Gifford Hall

GEORGE B. SAUL, II, A.B., M.A. AND PH.D., UNIVERSITY OF
PENNSYLVANIA
Irene Heinz and John LaPorte Given Professor in Pre-Medical Sciences (1967)
Professor of Biology (1967) — R.D. 3, Munger Street

CHARLES W. J. SCAIFE, A.B. AND PH.D., CORNELL
Assistant Professor of Chemistry (1967) — 126 South Main Street

*WOLFE W. SCHMOKEL, A.B., UNIVERSITY OF MARYLAND;
M.A., PH.D., YALE
Visiting Associate Professor of History (1968) — Star Route, Essex Junction

CHARLES POWELL SCOTT, A.B., OHIO STATE; B.D., PRINCETON
THEOLOGICAL SEMINARY
Chaplain and Professor of Religion (1951) — 95 Main Street

ROBERT A. SIMKO, A.B., M.A., RUTGERS;
PH.D., INDIANA UNIVERSITY
Assistant Professor of Geography (1968) — 4 Storrs Avenue

DAVID K. SMITH, A.B., MIDDLEBURY; PH.D., HARVARD
Alumni Professor of Economics (1950) — Chipman Heights

KIMBERLY SPARKS, A.B. AND PH.D., PRINCETON
Jean Thomson Fulton Associate Professor of German (1966) — R.D. 2, Middlebury
Director of the Graduate School of German, Mainz (Spring 1969)

CAPT. LARRY LYNN SPOHN, SR., B.S.,
UNITED STATES MILITARY ACADEMY
Assistant Professor of Military Science (1968) — 10 Murdock Court

EDWARD R. STEHLE, A.B., UNIVERSITY OF PITTSBURGH; M.A., COLUMBIA
Instructor in History (1968) — 105 South Main Street

DABNEY STUART, A.B., DAVIDSON; M.A., HARVARD
Visiting Assistant Professor of English (1968) — Pulp Mill Bridge Road

BART F. TEUSH, A.B., SWARTHMORE
Instructor in English (1967) — 40 College Street

HARRIS E. THURBER, A.B., UNIVERSITY OF VERMONT; PH.D., PRINCETON
Professor of Political Science (1947–49, 1951) — 14 Elm Street
On leave 1968–69

PARDON E. TILLINGHAST, A.B., BROWN; PH.D., HARVARD
Professor of History (1947) — 6 Adirondack View

GEORGE B. TODD, A.B., AMHERST; M.B.A., STANFORD; M.F.A., PRINCETON
Assistant Professor of Music (1965) — R.D. 3, Halladay Road

JOAN L. TOWNE (MISS), B.S., SKIDMORE; M.S., SMITH
Associate Professor of Physical Education for Women (1960) — East Middlebury

A. RICHARD TURNER, A.B., M.F.A., PH.D., PRINCETON
Professor of Fine Arts (1968)
Old Dominion Professor (1968–69) — R.D. 1, Middlebury

VAN HORN VAIL, A.B., UNIVERSITY OF WASHINGTON; M.A. AND PH.D., PRINCETON
Assistant Professor of German (1966) — R.D. 2, Middlebury

DAVID B. VAN VLECK, A.B., PRINCETON; M.S., PH.D., CORNELL
Associate Professor of Biology (1968) — R.D. 1, Middlebury

CAPT. ANTONIO R. VILLASEÑOR, A.B., U.C.L.A.
Assistant Professor of Military Science (1967) — R.D. 3, Middlebury

ERIE T. VOLKERT, A.B., LAWRENCE; M.A., NORTHWESTERN
Professor of Drama and Director of the Theatre (1941) — 54 North Pleasant Street

JAMES MAYER WATKINS, A.B., PENNSYLVANIA STATE; M.A., MIDDLEBURY; C.A.E.F.E., PARIS
Associate Professor of French and
Director of the Language Laboratory (1958) — Pulp Mill Bridge Road
Director of the Graduate School of French, Paris (1968–69)

CHRISTOPHER D. WATTERS, B.S., NOTRE DAME; M.A., PH.D., PRINCETON
Assistant Professor of Biology (1968) — 5 Green Mountain Place

JOHN T. WENDERS, A.B., AMHERST; M.A., UNIVERSITY OF HAWAII; M.A. AND PH.D., NORTHWESTERN
Assistant Professor of Economics (1963) — 33 Chipman Park

BENJAMIN FRANKLIN WISSLER, B.S., MUHLENBERG; M.A., COLUMBIA; D.SC., MUHLENBERG
Alumni Professor of Physics (1930) — 23 Weybridge Street

KLAUS HEINRICH WOLFF, A.B., WABASH; PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Economics (1956) — Locust Lane

HOWARD EUGENE WOODIN, B.S., M.S., UNION; PH.D., PURDUE
Associate Professor of Biology (1953) — R.D. 3, Middlebury

EDWARD HENRY WORTHEN, A.B., M.A., PH.D., UNIVERSITY OF MICHIGAN
Assistant Profesor of Spanish (1966) — 86 Shannon Street

NORA SCOTT WRIGHT (MISS), A.B. AND M.A., MIDDLEBURY
Instructor in Spanish (1967) — Allen House

VICTOR ZYNSZAJN, B.S., M.A., COLORADO
Instructor in French (1968) — R.D. 3, Middlebury

Assistants and Associates in Instruction

*ALEXANDRA BAKER (MRS.), A.B., HUNTER; M.A., INDIANA UNIVERSITY
Associate in Russian (1967) — R.D. 3, Middlebury

EVELYN M. BURRILL (MRS.), A.B., MOUNT HOLYOKE; M.S., UNIVERSITY OF VERMONT
Research Assistant in Psychology (1967) — Shoreham

*PIERINA B. CASTIGLIONE (MRS.), M.A., SMITH; DOTTORE IN LETTERE, UNIVERSITY OF FLORENCE
Associate in Italian — R.D. 2, Middlebury

*BETSY H. GLEASON (MRS.), A.B., MIDDLEBURY
Assistant in Teacher Education (1963) — 31 Weybridge Street

*DOMINIQUE NICOLE GOTTLIEB (MISS)
Assistant in French — Benedict Lane

RALPH GRIMES, B.S., MUHLENBERG
Assistant in Physics (1968) — Apt. 13, Battell Block

*REGINA JAKOBI (MISS)
Assistant in German (1968)

FRANK EDWARD KAUFMAN, B.F.A., ART INSTITUTE OF CHICAGO
Associate in Theatre and Technical Director (1967) — R.D. 2, Brandon

*BARBARA D. KERRIGAN (MRS.), A.B., WHEATON COLLEGE; M.A., COLUMBIA
Assistant in English (1968) — R.D. 2, Middlebury

JACQUELINE S. KROUCHI (MRS.), LICENCE-ES-LETTRES, DIPLOME D'ETUDES SUPERIEURES, C.A.P.E.S.
Associate in French (1967) — Pulp Mill Bridge Road

*KATHARINE A. MCGLYNN (MISS), B.S., SKIDMORE; M.ED., UNIVERSITY OF VERMONT
Assistant in Teacher Education (1967) — East Middlebury

MARION JONES MUNFORD (MRS.), B.S., MIDDLEBURY
Assistant in Biology (1959) — 41 South Street

*FAITH N. SHOLES (MRS.), B.A., M.S., WASHINGTON UNIVERSITY
Assistant in Teacher Education (1968) — 10 Adirondack View

*Part-time

*†Monika Sutter (Miss),
Assistant in German (1966) — Apt. 23, Battell Block

Emeriti

John Gerald Bowker, ed.m., l.h.d.
Baldwin Professor Emeritus of Mathematics (1926)
Dean Emeritus of the Faculty (1953) — Middlebury

Douglas Stowe Beers, ph.d.
Hudson Professor Emeritus of English (1925) — Middlebury

Léa Zoe Binand, brevet supérieur
Assistant Professor Emerita of French (1929) — France

Arthur Milton Brown, a.b.
Professor Emeritus of Physical Education (1918) — Sarasota, Florida

Stephen Albert Freeman, ph.d., ll.d., l.h.d., litt.d.
Professor Emeritus of French (1925)
Vice President Emeritus (1943) — Middlebury

Mischa Harry Fayer, ph.d.
Professor Emeritus of Russian (1943) — Lexington, Kentucky

Burt Alden Hazeltine, m.a.
Professor Emeritus of Mathematics (1924) — St. Petersburg, Florida

Arthur Kelly David Healy, a.b., m.f.a.
Professor Emeritus of Fine Arts (1943) — R.D. 1, Middlebury

Harold Bradford Hitchcock, a.b., ph.d.
Mead Professor Emeritus of Biology (1943) — 1 Locust Lane

Robert Dugald hope, ll.b.
Assistant Treasurer of the Corporation, Emeritus (1914) — Middlebury

Laila Adelaide McNeil, a.b.
Librarian Emerita (1913) — St. Johnsbury

Werner Neuse, ph.d.
Professor Emeritus of German (1932) — New Brunswick, New Jersey

Perley Chesman Perkins, a.b., m.a.
Professor Emeritus of English (1923) — Middlebury

James Stuart Prentice, m.a.
Professor Emeritus of Economics (1931) — Carlisle, Pennsylvania

Bruno Moritz Schmidt, m.a.
Professor Emeritus of Geology (1925) — Middlebury

Russell George Sholes, m.a.
Professor Emeritus of Sociology (1927) — Middlebury

Phelps Nash Swett, b.s., m.a.
Professor Emeritus of Geography & Drafting (1909) — Middlebury

Ruth Wood Temple, a.b.
Assistant Dean Emerita of Women (1922) — Rutland

Viola Chittenden White, ph.d.
Curator Emerita of Abernethy Library (1933) — Middlebury

*Part time
†Spring term

Calendar for 1970-71

(Tentative)

1970

SEPTEMBER

9—Wednesday, Freshman Week begins
13—Sunday, Freshman Convocation (10:45 a.m.) Mead Chapel
14—Monday, Fall Term classes begin (8:00 a.m.)

OCTOBER

10—Saturday, Alumni Homecoming Day (College in Session)
17—Saturday, Parents' Weekend (College in Session)

NOVEMBER

21—Saturday, Thanksgiving Recess begins (12 noon)
30—Monday, classes resume (8 a.m.)

DECEMBER

12—Saturday, Fall Term classes end (12 noon)
14—Monday, Final examinations begin
18—Friday, Final examinations end, Christmas Recess begins

1971

JANUARY

4—Monday, Winter Term begins (8 a.m.)

FEBRUARY

6—Saturday, Winter Term ends (5 p.m.) and Winter Recess begins
15—Monday, Spring Term classes begin (8 a.m.)
25—Thursday, Winter Carnival Recess begins (5 p.m.)

MARCH

1—Monday, classes resume (8 a.m.)

APRIL

3—Saturday, Spring Recess begins (12 noon)
12—Monday, classes resume (8 a.m.)

MAY

14—Friday, Spring Term classes end (12 noon)
15—Saturday, Senior Comprehensive Examinations begin
20—Thursday, Senior Comprehensive Examinations end
21—Friday, Final Examinations begin
26—Wednesday, Final Examinations end
30—Sunday, Baccalaureate
31—Monday, Commencement

1970-71

SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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FEBRUARY

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1971

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JUNE

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JULY

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Calendar for 1969-70

1969

SEPTEMBER

10—Wednesday, Freshman Week begins
14—Sunday, Freshman Convocation (10:45 a.m.) Mead Chapel
15—Monday, Fall Term classes begin (8:00 a.m.)

OCTOBER

11—Saturday, Alumni Homecoming Day (College in Session)
18—Saturday, Parents' Weekend (College in Session)

NOVEMBER

22—Saturday, Thanksgiving Recess begins (12 noon)

DECEMBER

1—Monday, classes resume (8 a.m.)
13—Saturday, Fall Term classes end (12 noon)
15—Monday, Final examinations begin
19—Friday, Final examinations end, Christmas Recess begins

1970

JANUARY

7—Wednesday, Winter Term begins (8 a.m.)

FEBRUARY

7—Saturday, Winter Term ends (5 p.m.) and Winter Recess begins
16—Monday, Spring Term classes begin (8 a.m.)
26—Thursday, Winter Carnival Recess begins (5 p.m.)

MARCH

2—Monday, classes resume (8 a.m.)

APRIL

4—Saturday, Spring Recess begins (12 noon)
13—Monday, classes resume (8 a.m.)

MAY

15—Friday, Spring Term classes end (12 noon)
16—Saturday, Senior Comprehensive Examinations begin
21—Thursday, Senior Comprehensive Examinations end
22—Friday, Final Examinations begin
27—Wednesday, Final Examinations end
31—Sunday, Baccalaureate

JUNE

1—Monday, Commencement

1969-70

SEPTEMBER

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OCTOBER

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DECEMBER

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JANUARY

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FEBRUARY

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1970

MARCH

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APRIL

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MAY

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JUNE

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JULY

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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..

AUGUST

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..